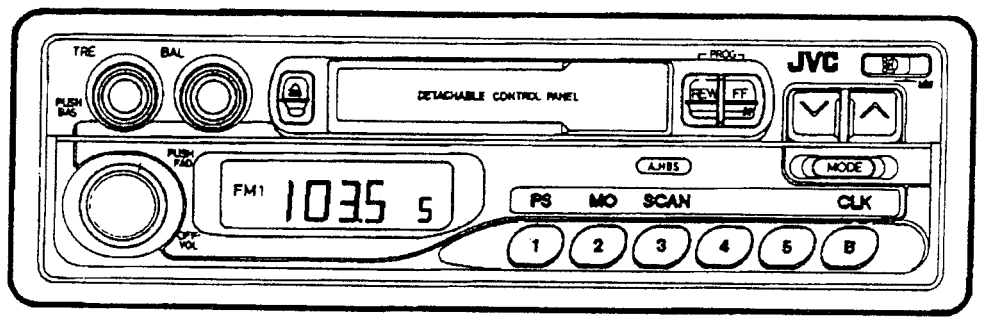
JVC

SERVICE MANUAL

CASSETTE CAR RECEIVER

KS-RT30 B/E/G/GE/GI



DETACHABLE

Area Suffix	
B	U.K.
E	Continental Europe
G	Germany
GI	Italy
GE	Eastern Europe, Austria and Switzland

Contents

- .Features Page2
- .Specifications 2
- .Instructions(Extraction) 3
1. Location of Main Parts 9
2. Removal of Main Parts 10
3. Main Adjustment 12
4. Wiaring Connections 18
5. Block Diagram 19
6. Standerd Schematic Diagram 19
7. Location of P.C.Board parts and Parts List 24
8. Exploded View of Enclosure Component Parts and Parts List 31
9. Exploded View of Mechanism Component Parts and Parts List 34
10. Packing Illustration and Parts List 37

No.49176
February 1993

Instructions (Extruction)

◆ Features

- Detachable Control Panel
- AM/FM-Stereo PLL Synthesizer Tuner
- 20-Station Preset Tuning (FM-15, AM(MW/LW)-5)
- P.SCAN/Scan/Seek/Manual Tuning
- SK/DK Traffic Information Reception (KS-RT30 G/GE)
- U-Turn Auto-Reverse Mechanism
- Maximum Power Output of 8W per channel (2-channel)
- Active Hyper Bass Sound Button
- Fader Control
- Clock Button
- Mono Button

◆ Specifications

AUDIO AMPLIFIER SECTION
Maximum Power Output:
8 watts per channel (2-channel)
5 watts per channel (4-channel)
Continuous Power Output (RMS):
3 watts per channel into 4 ohms, 100 to 20,000 Hz at no more than 0.8% THD (2-channel)
Load impedance: 4 Ω (4 – 8 Ω Allowable)
Tone control Range
Bass: ±10 dB at 100Hz
Treble: ±10 dB at 10 kHz
Frequency Response: 40 – 20,000 Hz
Signal-to-Noise Ratio: 60 dB

RADIO SECTION
Frequency Range
FM: 87.5 – 108.0MHz
AM: (MW) 522 – 1,620 kHz
(LW) 144 – 281 kHz (Manual)
144 – 279 kHz (Auto)
[FM Tuner]
Usable Sensitivity: 15.3 dBf (1.6 μV/75Ω)
50 dB Quieting Sensitivity: 18.8 dBf (2.4 μV/75Ω)
Alternate Channel Selectivity: (400 kHz) 65 dB
Frequency Response: 40 – 15,000 Hz
Stereo Separation : 30 dB
Capture Ratio: 1.5 dB
[MW Tuner]
Sensitivity: 20 μV
Selectivity: 35 dB
[LW Tuner]
Sensitivity: 50 μV

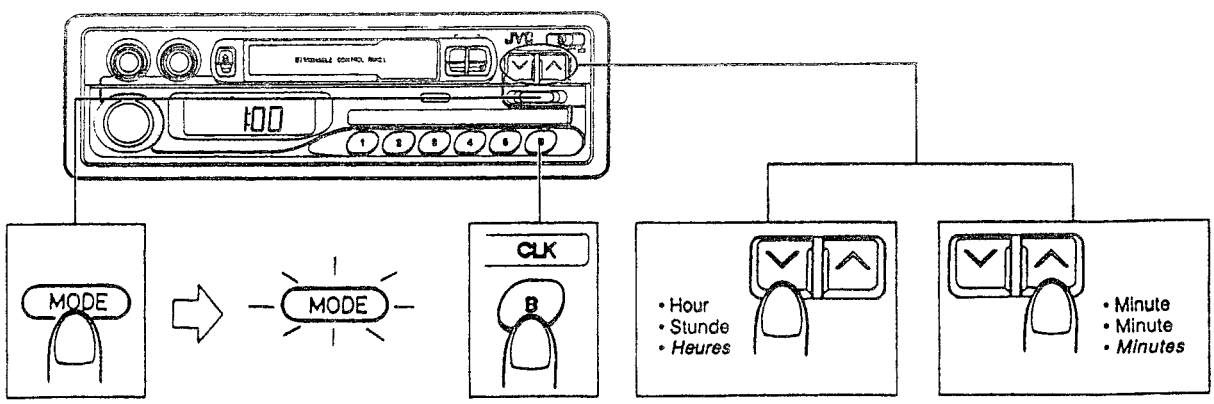
CASSETTE DECK SECTION
Wow & Flutter: 0.11 % (WRMS)
Fast Wind Time: 100 sec. (C-60)
Frequency Response: 50 – 14,000 Hz (±3 dB)
Signal-to-Noise Ratio: 52 dB
Stereo Separation: 40 dB

GENERAL
Power Requirement
Operating Voltage: DC 14.4 V (11 V - 16 V Allowable)
Grounding System: Negative Ground
Dimensions (W x H x D)
Installation Size: 182 x 52 x 152 mm
Panel Size: 189 x 58 x 15 mm
Gross Weight: 1.8 kg (4.0 lbs)

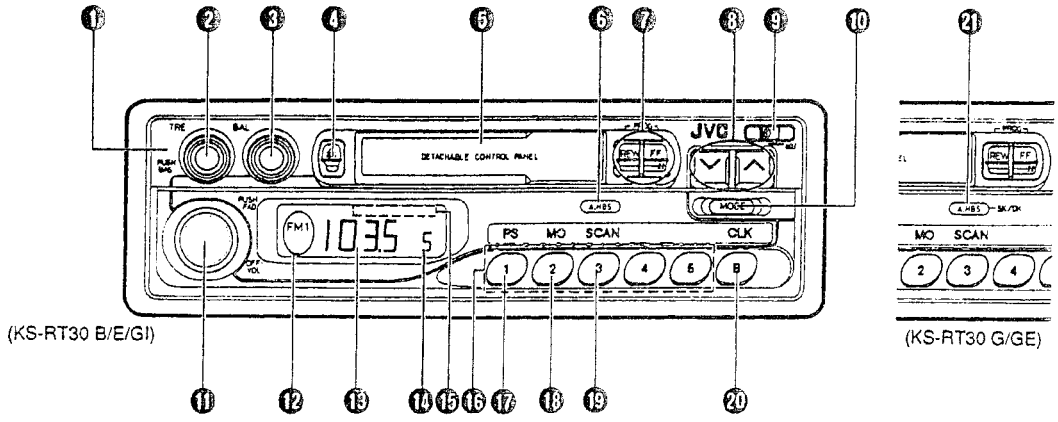
◆ Digital clock display

Each time the CLK button is pressed after the MODE button has been pressed and its indicator is lit red, the time mode or tuner mode is engaged. When the radio is operated in the time mode, the display will switch to frequency, then, after a short time, it will return to the time mode.

- **To adjust the time**
When the display is in the time mode with the MODE button lit in red, while keeping the CLK button pressed, press the Hour adjustment button (∨) to adjust the "hours" and press the Minute adjustment button (∧) to adjust the "minutes."



◆ Location of controls



(KS-RT30 B/E/GI)

(KS-RT30 G/GE)

❶ Control panel
❷ Treble (TRE)/Push bass (PUSH BAS) control
❸ Balance (BAL) control
❹ Eject (⏏) button
❺ Cassette loading slot
❻ Active Hyper Bass Sound button (A.HBS) (KS-RT30 B/E/GI)
❼ Program (PROG)/REW, FF buttons
❽ Tuning/Time adjustment buttons
(∨) frequency/hour adjustment
(∧) frequency/Minute adjustment
❾ Control panel release (⏏) switch
❿ MODE button
⓫ Power on-OFF/volume (VOL)/Push fader (PUSH FAD) control
⓬ Band indicator (AM-FM1-FM2-FM3)
⓭ Radio frequency/Time display
⓮ Preset station display
⓯ Indicators
SK/DK (KS-RT30 G/GE)
MO (Mono)
ST (FM Stereo)
◄► (Tape direction)
⓰ Preset station buttons (No.1 – No.5)
⓴ Band (B) button
㉑ Active Hyper Bass Sound button (A.HBS)
SK/DK button (KS-RT30 G/GE)

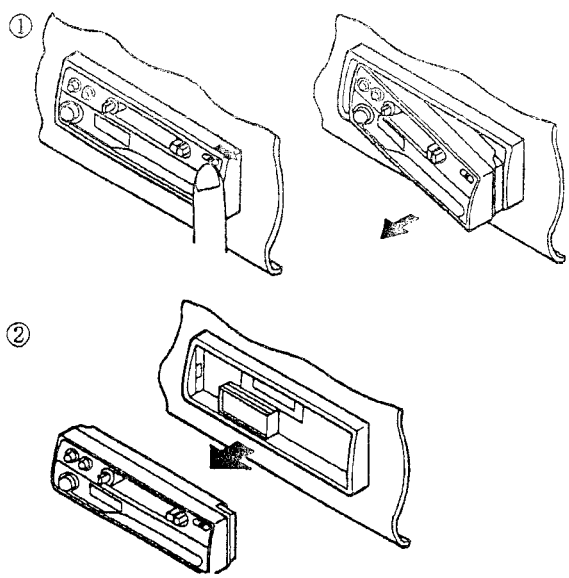
- Press the following buttons after the MODE button has been pressed and its indicator is lit red. When 5 seconds have elapsed after completion of an operation, the MODE button's red indicator will go out.

⓱ Preset scan (PS) button
⓲ Mono (MO) button
⓳ Scan (SCAN) button
⓴ Clock (CLK) button

◆ Detach and attach the control panel

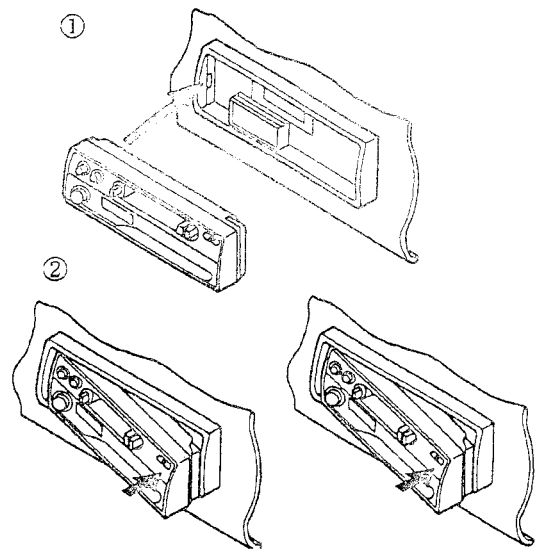
TO DETACH THE CONTROL PANEL

① Slide the control panel release (⏏) switch in the direction of arrow to detach the control panel.
② Pull the control panel out of the main unit as shown in the figure below.
- After detaching the control panel, put it in the case provided for protection.



TO ATTACH THE CONTROL PANEL

① Align the left side of the control panel to the left side of the holder.
② Press the left side of the control panel first, then press the right side to set correctly.

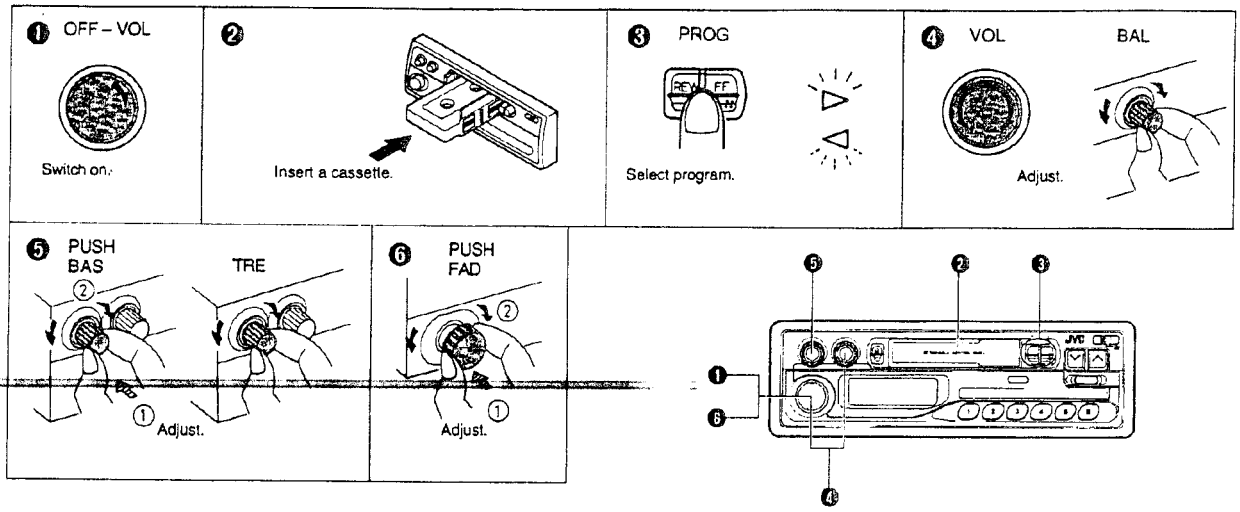


Note:

- Be careful not to damage the connector terminals when attaching/detaching the control panel or while the control panel is detached.

◆ Tape Operation

Operate in the order shown.



TO FAST FORWARD AND REWIND THE TAPE

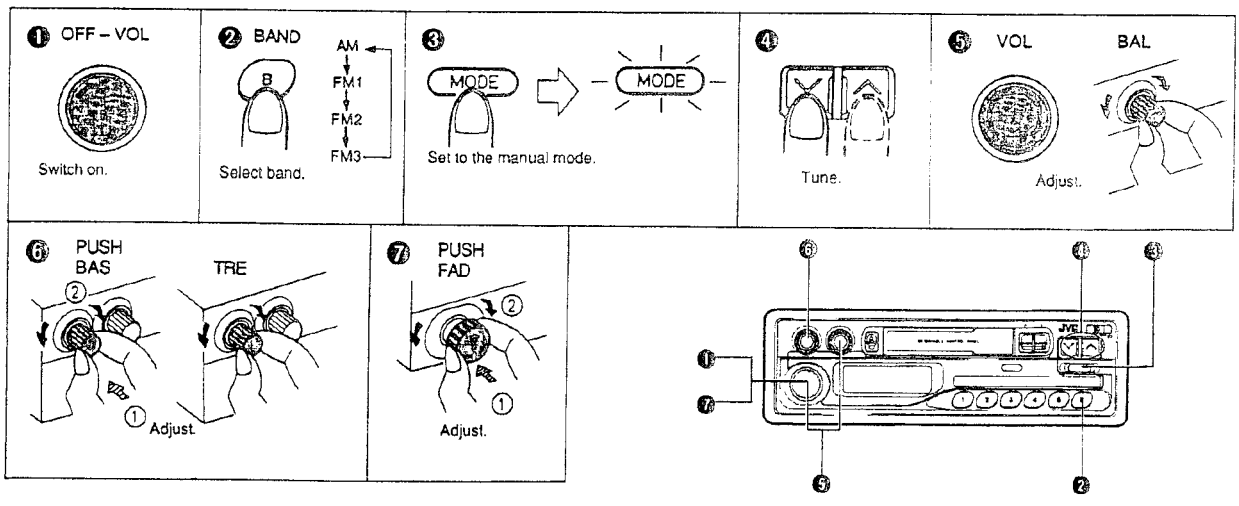
Press the FF button to fast forward the side being played back; when the end of the tape is detected, the tape is reversed and played back from the beginning of the other side. Press the REW button to rewind the tape. When the tape is rewound to the beginning, it is played back again. Lightly press the other PROG button to start play from the current position during the fast forward or rewind mode.

AUTO-REVERSE MECHANISM

When the tape reaches the end of one side, this mechanism automatically switches over to play back the other side. To listen to the other side while playing one side, press the PROG buttons. The change in the tape transport direction can be checked from the Tape Direction indicators.

◆ Radio Operation

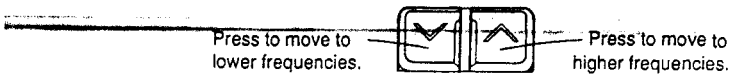
Operate in the order shown.



MANUAL TUNING

Set to the manual mode using the MODE button. When the MODE button's light is red, the unit is in the manual mode. Then, by pressing the Tuning button, you can move up and down the frequency band. The frequency band is scanned as long as either button is pressed. You can step through the frequency in 50 kHz units for FM, 9 kHz units for MW and 1 kHz unit for LW.
In AM operation, the frequency moves continuously from the MW (522 – 1,620 kHz) to the LW (144 – 281 kHz) band and vice versa.

- When approx. 5 seconds have elapsed after completion of manual tuning operations, the unit switches back to the seek mode and the MODE button's red indicator goes out.



SEEK TUNING

The unit is set to the seek mode when the MODE button's red indicator goes out. Then, by pressing the ∧ or ∨ button the unit tunes to the adjacent station with a higher or lower frequency.

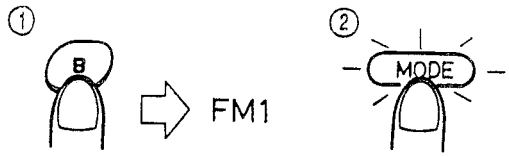
SCAN BUTTON TUNING

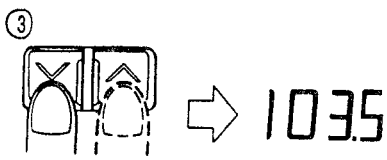
Press the MODE button to light the MODE button's red indicator. While the red indicator is lit, press the SCAN button for automatic scanning of the FM and AM frequency bands. When this button is pressed, each station is monitored for approx. 5 seconds, and the frequency flashes during this time. After 5 seconds have elapsed, the frequency is advanced to the next station which in turn is monitored for 5 seconds. To stop scanning, press the SCAN button again.

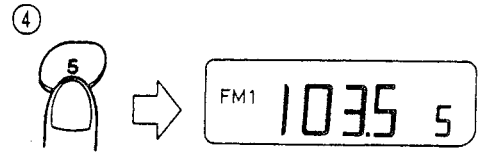
PRESET BUTTON TUNING

5 stations in each band (FM1, FM2, FM3 and AM(MW/LW)) can be preset as follows;

- Example (when presetting Preset Station button "5" to FM station at 103.5 MHz)







① Select the FM1 band using the Band (B) button.
② Set to the manual mode.
③ Tune to the desired station.
④ Press Preset Station button "5" for more than 2 sec. (When "5" flashes in the Preset Station display, the station is preset.)

- Repeat the above procedure for each of the other 4 stations using a different Preset Station button each time.
- Follow the above procedure for the other bands (FM2, FM3 and AM(MW/LW)).

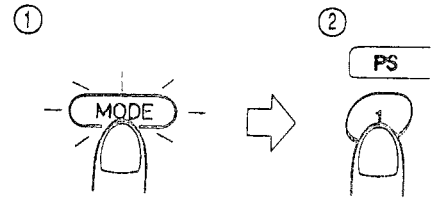
Notes:

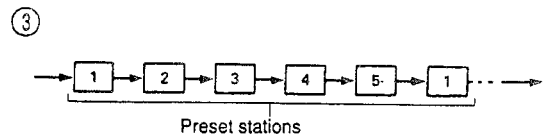
- The previous preset station is erased when a station is newly preset because the new station is stored in memory.
- The preset station is erased when the power supply to the memory circuit is interrupted during battery replacement, etc. When this occurs, preset the station again.

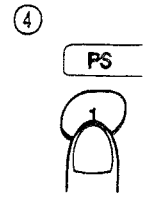
- The preset station is erased when the power supply to the memory circuit is interrupted during battery replacement, etc. When this occurs, preset the station again.

PRESET SCAN BUTTON TUNING

This makes it possible to automatically scan preset FM and AM (MW/LW) stations.







① Press the MODE button to light its red indicator.
② While the red indicator is lit, press the PS button.
③ Scanning is performed in the order of preset stations in each frequency band (FM1, FM2, FM3 and AM). Each preset station is heard for approx. 5 seconds.
④ When the required station is heard and its frequency is flashing, press the PS button again.

MONO BUTTON

When listening to FM, set the MO button to stereo or mono after the MODE button has been pressed and its red indicator is lit.
Note:
Set to mono when a stereo FM broadcast is too noisy and cannot be heard satisfactorily.

◆ Electrical connections

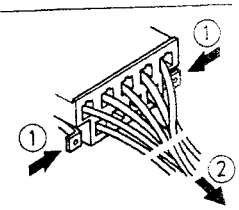
To prevent short circuits, while making connections, keep the battery's negative terminal disconnected.
We recommend that you make all electrical connections before installing the unit. If you're not sure how to correctly install this unit, have it installed by a qualified service technician.
Note:
This unit is designed for 12 volts DC, Negative Ground. If your vehicle does not have 12 volts negative ground electrical system you need a voltage inverter which can be bought from a JVC "IN-CAR ENTERTAINMENT" dealer.

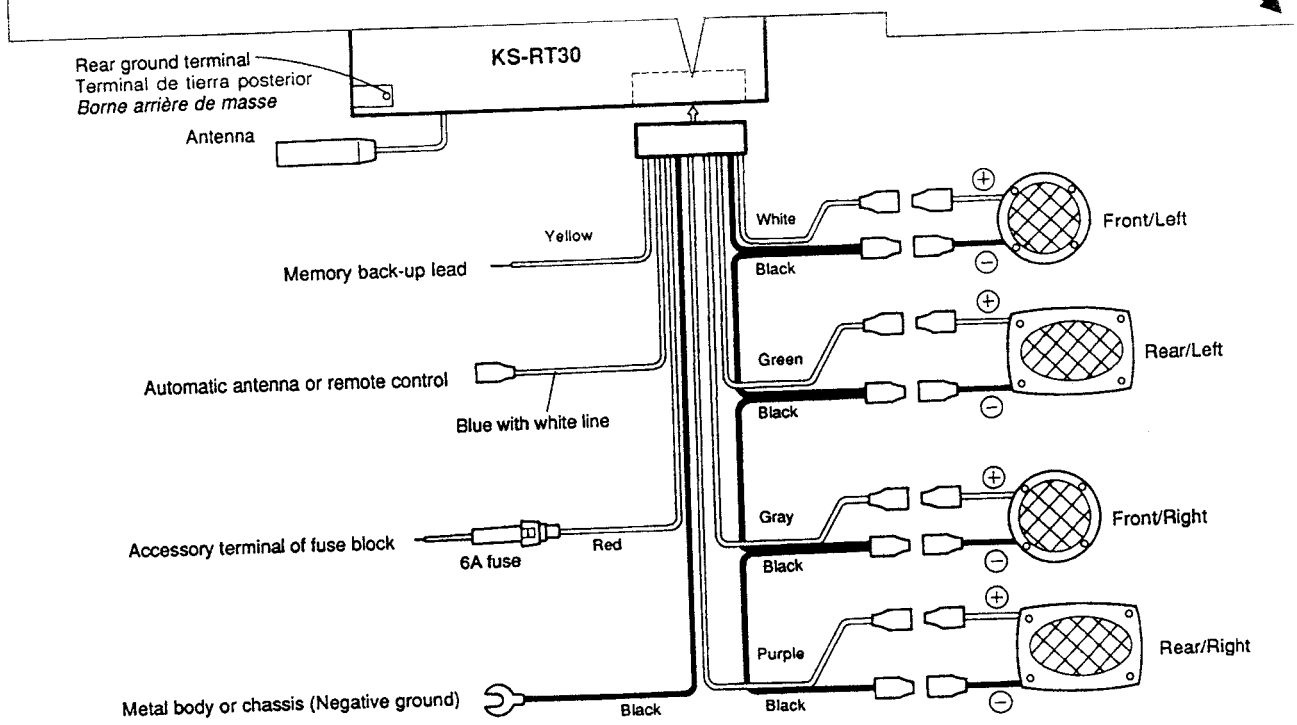
1. Don't connect speaker leads to the metal body or chassis.
2. When not using the automatic antenna, cover the terminal with insulating tape to prevent the blue with white line (REMOTE) lead from shorting.

- Be sure to ground this unit to the car's chassis.

A. 4 – SPEAKER CONNECTIONS

- When connecting the connector, firmly insert it till the click sound is heard.
- When disconnecting the connector, disengage the lock and pull out the connector.





B. 2-speaker connections

Two speakers can be connected to either the front or rear pair of speaker output terminals. Cover the terminals that are not used with insulating tape to prevent short-circuits.

C. Automatic antenna connections

To use the automatic antenna, connect the automatic antenna terminal (Blue with white line (REMOTE) lead). For details on automatic antenna installation, see the automatic antenna's instruction manual.

D. Memory back-up lead

Connect this lead to a position where live power is supplied even when the ignition key is taken out.

E. Fader control

- **When used in a 4-speaker system**
  When the PUSH FAD control is turned counterclockwise, the sound will be heard from the front speakers, and when it is turned clockwise, from the rear speaker.
- **When used in a 2-speaker system**
  Set this control to the center position.

◆ Installation(In – Dash mounting)

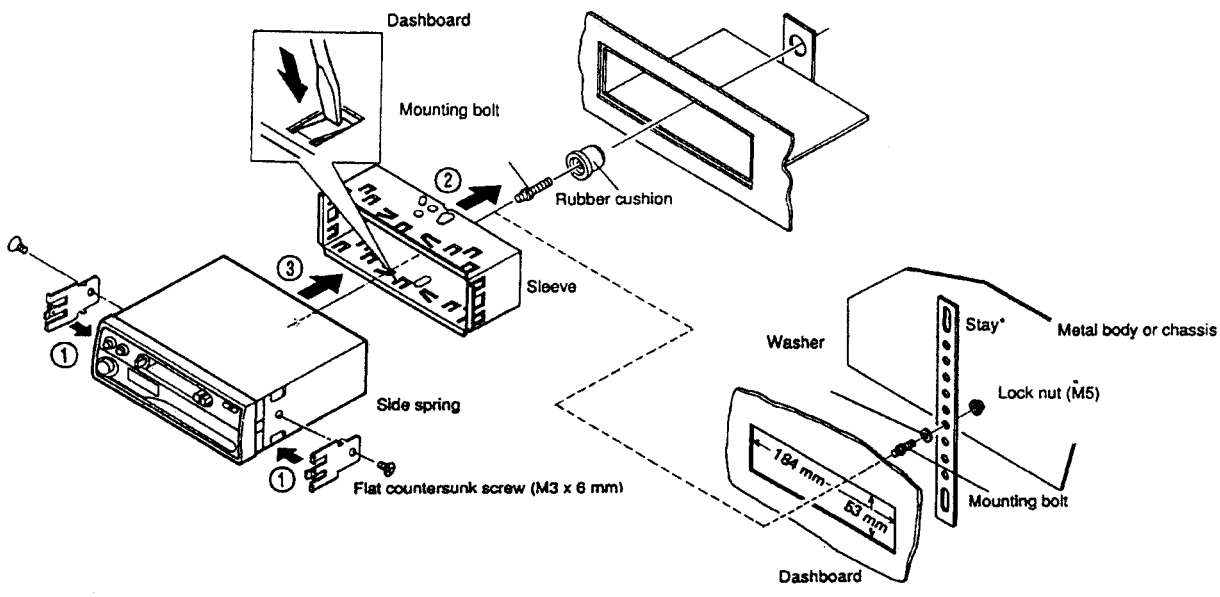
- Before using this unit for the first time, press the eject button fully.

- The following illustration shows a typical installation, however, always adjust to correspond to the car in which the unit is to be installed. If you have any questions and for installation kits, consult a JVC car audio dealer.

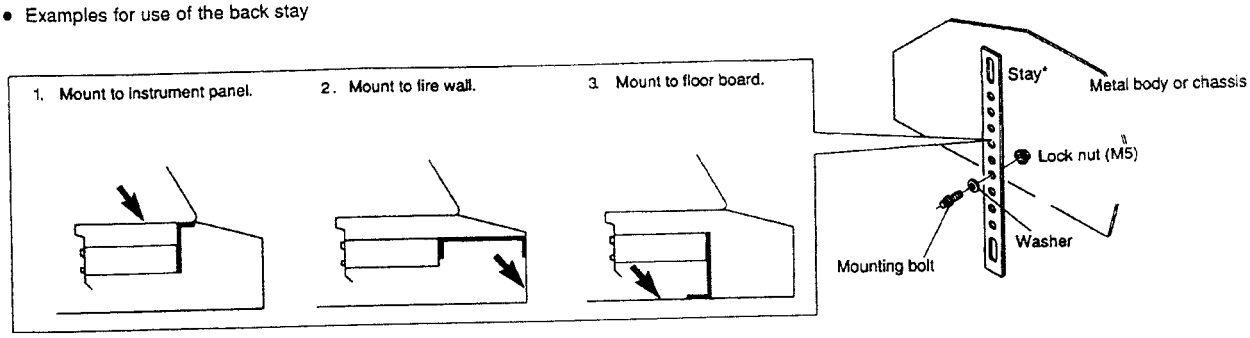
① Attach the side springs.
② Install the sleeve in the dashboard. Next, mount the mounting bolt onto the rear of the unit's body and slide the rubber cushion onto this bolt.

* After the sleeve is installed in the dashboard, select and bend the appropriate tabs to hold the sleeve firmly in place.
③ Slide the body of this unit into the sleeve so that they are locked together.

- Follow the numbers for mounting.



- Examples for use of the back stay

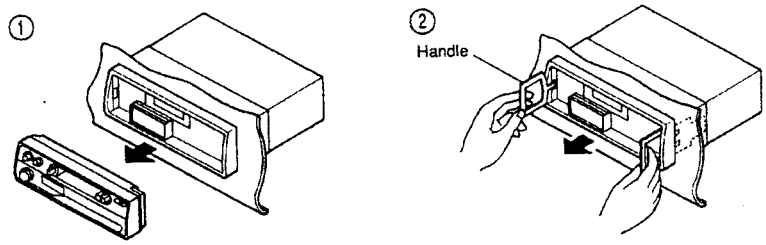


Removing the body of unit

- Before removing the body of this unit, remove the nut, connector, etc. retaining the rear section.

① Remove the Control Panel by sliding the release switch (⏏) to the right.

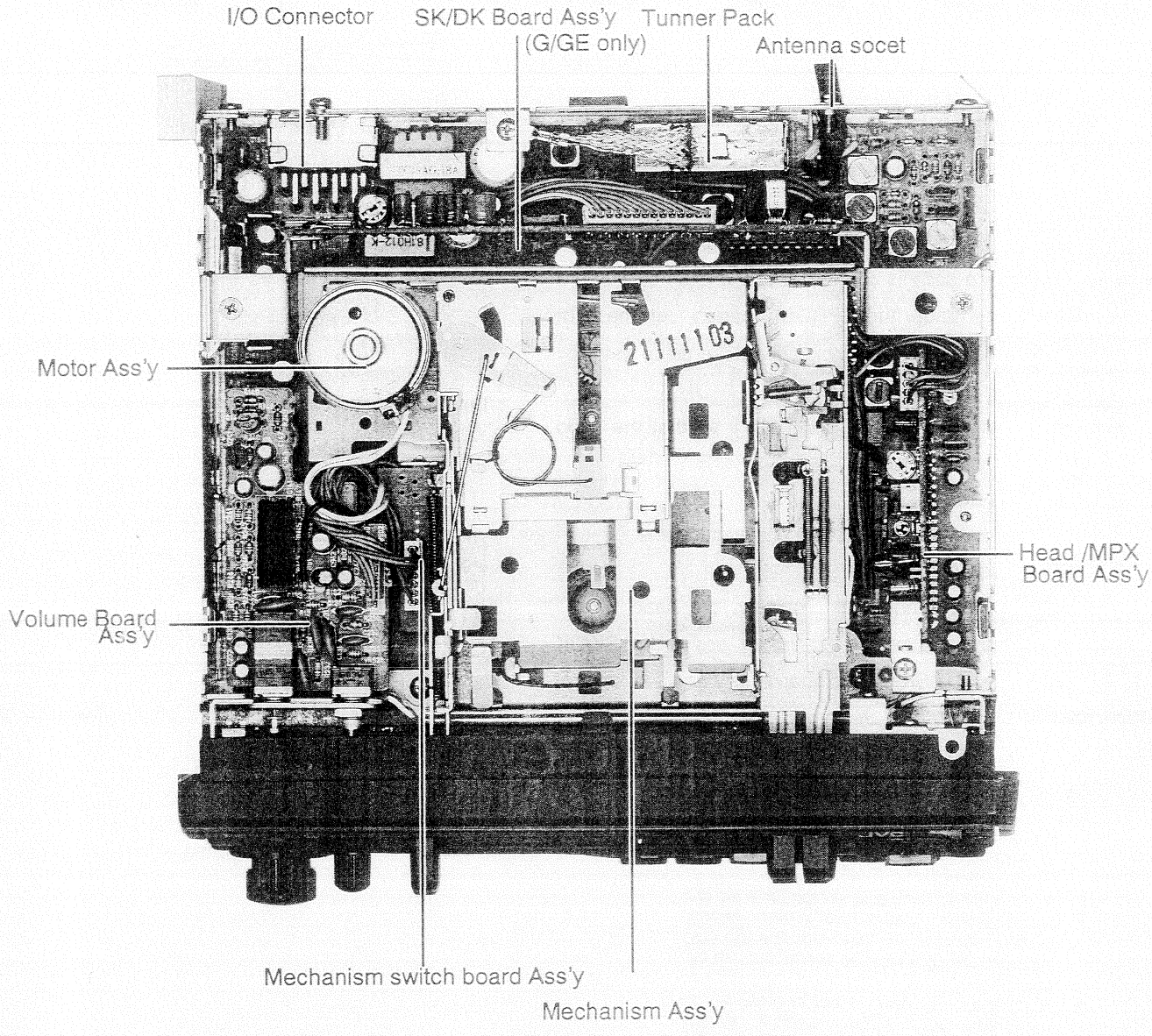
② As illustrated, insert the handles between the side springs and sleeve. Then, slide the unit out while pressing the handles toward each other.



RECEIVING TRAFFIC INFORMATION BROADCASTS (G/GE version only)

1. Press the SK/DK button for more than 1 second before operation. The SK/DK indicator lights.
2. Perform Seek Tuning to search for a station broadcasting traffic information. When such a station is received, the SK/DK indicator will light and the broadcast can be heard.
3. As long as the radio is set to receive the traffic information station, even if you are listening to a cassette tape, when traffic information is broadcast, it will automatically be heard, and once the broadcast is over, sound from the cassette will automatically be restored.

Note:
If the tuner is not set to a traffic information station or the reception is poor, approx. 30 seconds later an alarm tone will be heard. In such a case, perform Seek Tuning or press the SK/DK button for more than 1 second.


I/O Connector
SK/DK Board Ass'y
(G/GE only)
Tunner Pack
Antenna socet
Motor Ass'y
Head /MPX
Board Ass'y
Volume Board
Ass'y
Mechanism switch board Ass'y
Mechanism Ass'y

2 Removal of Main Parts

■ Enclosure section

◆Top and bottom cover

1. Remove the six claws (A~D) on the right, left and rear sides retaining the top cover.
2. Remove the six claws (G~J) on the right, left and rear sides retaining thr bottom cover.

◆Control unit

1. Remove the eject knob by sliding it to the right side.

◆Nose piece ass'y

1. Remove the four claws (E and F) on the right and left side.
2. The nose piece ass'y is connected to the main p. c. board by a connector under the 『PROG』 button on the right side of the mechanism. Dismount the nose piece ass'y by pulling it in straight direction.

★At the time of assembly align the ass'y so that the lamp enters the lamp hood.

◆Mechanism ass'y

1. Remove the four screws ① and ② retaining the mechanism ass'y.
2. Disconnect three connectors , namely, the head wire connector from the main p. c. board ass'y, the SK/DK connector from the SK/DK p.c.board ass'y and the control connector from the mechanism p. c. board ass'y.

◆Head/MPX board ass'y

1. Remove the screw ④ retaining the board bracket.
2. pull out the board ass'y.

◆BASS/TRE. volume ass'y

1. Remove the shaft knob(knob joint)
2. Loosen the nut retaining the volume and pull it backward.

★Under these condition, it will be possible to change the parts on the main p. c. board ass'y.

◆Main volume

1. Remove the shaft knob(knob joint).
2. Remove the two screws ③ retaining the front bracket.
3. Remove the nut retaining the volume.

◆Contorol unit

1. When the screws retaining the case are removed, the retaining spring will by separated. Then, slowly disconnect the case.

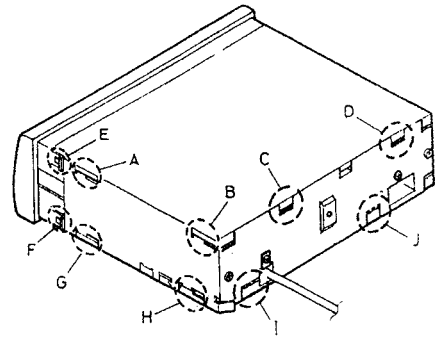


Fig 2 – 1

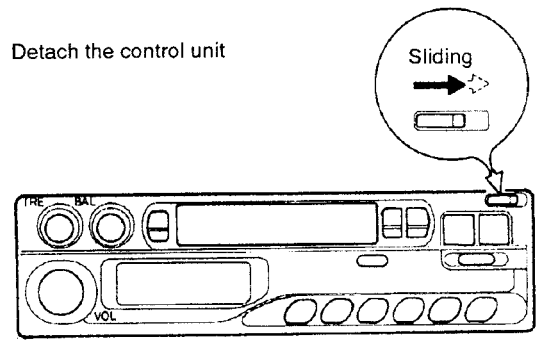


Fig 2 – 2

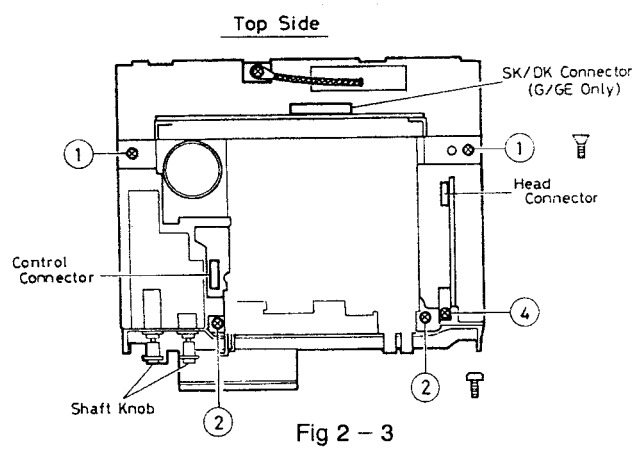


Fig 2 – 3

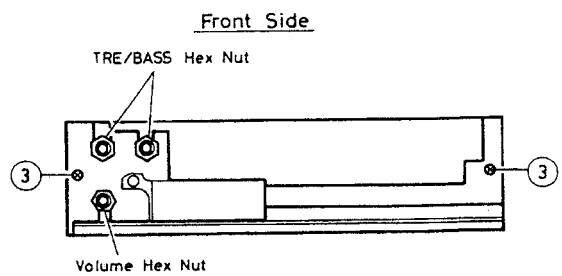


Fig 2 – 4

■ Mechanism section

◆ Head Removal

1. Remove screw ① retaining the FR bracket.
2. Left the FR lever assembly up in the direction of the arrow and remove the FRlever assembly from the chassis slots.
3. Remove the screw ② retaining the head plate.
4. Remove two screws ③ retaining the head.
5. When replacing the head make sure to adjust screws(A~D)and perform head angle and height adjustment.

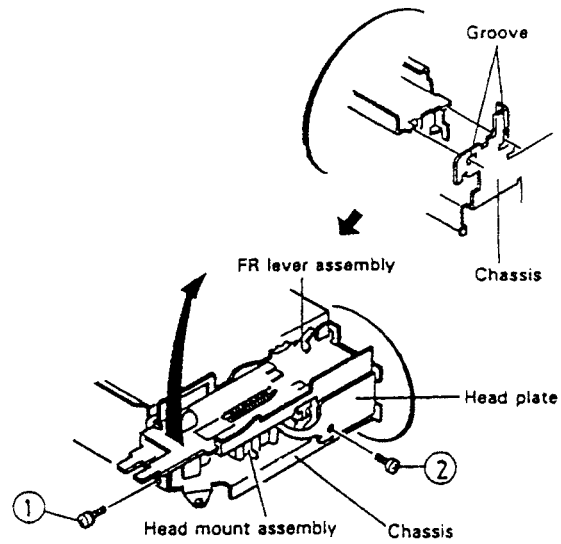


Fig. 2 – 5

◆ Pinch roller assembly

1. Remove the nylon washers retaining the left and right pinch rollers.
2. Pull out the pinch roller.

◆ Motor Assembly

Remove two screws(5)retaining the motor.

※ This operation is facillitated by leaving the belt hooked on to one of the chassis protrusions.

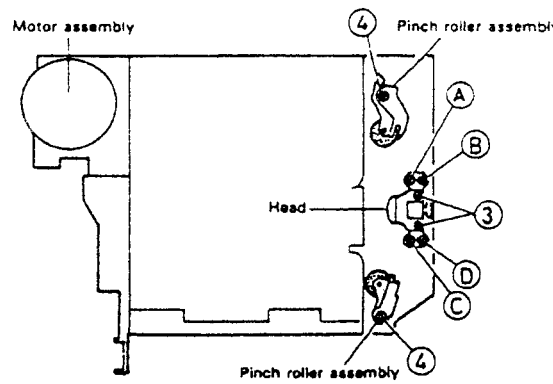


Fig. 2 – 6

◆ Belt

Thread the belt as indicated in the figure when replacing the belt.

※ Take care to avoid contact with grease or oil when replacing the belt.

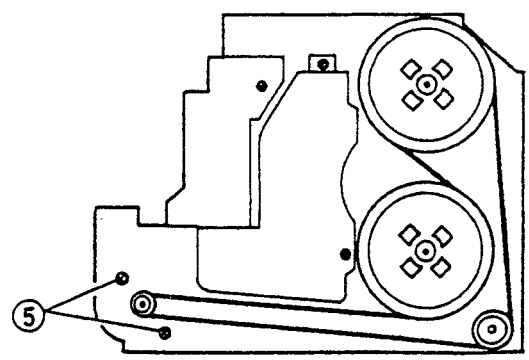


Fig 2 – 7

3 Main Adjustment

■ Equipment and measuring instruments used for adjustment

- Electronic voltmetor
- Audio frequency oscillator

(range:50~20kHz and output 0 dB with impedance of 600 Ω)

- Attenuator(impedance;600 Ω)
- Frequebcy counter
- AM Standard signal generator
- FM Standard signal generator
- Wow flutter mater
- Torqu testing cassette gauge

CTG – N (mechanical adjusting)

TW – 2111A (FWD play)

TW – 2121A (REV play)

- Standard tape

MTT942SP(head azimuth adj.)

VTT712(tape speed,wow&flutter adj.)

VTT724(reference level)

VTT736(playback frequency response)

VTT721(output level)

■ Condition for measurement

- Power Supply ····· DC14.4V

(Reduced Voltage:10.5V)

- Load ····· 4 Ω

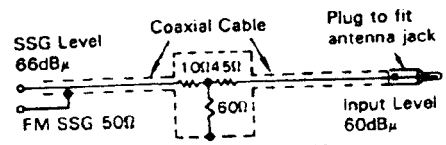
(Tow speaker connection)

- BASS/TRE, FADER ····· Center
- Main volume ····· Position with an output level of 2.0V during VTT724 playback

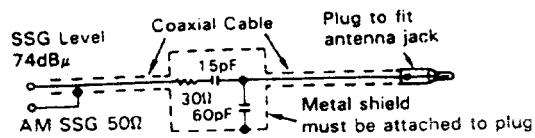
■ Tuner section

- FM;400Hz, 22.5kHz deviation
- FM STEREO ;1kHz, 67.5kHz deviation, pilotsignal 7.5kHz
- MW,LW ;400Hz, 30% modulation
- Output impedance ;50 Ω

■ Dummy antenna



FM DUMMY ANTENNA



AM DUMMY ANTENNA

- Preset memory Initialization

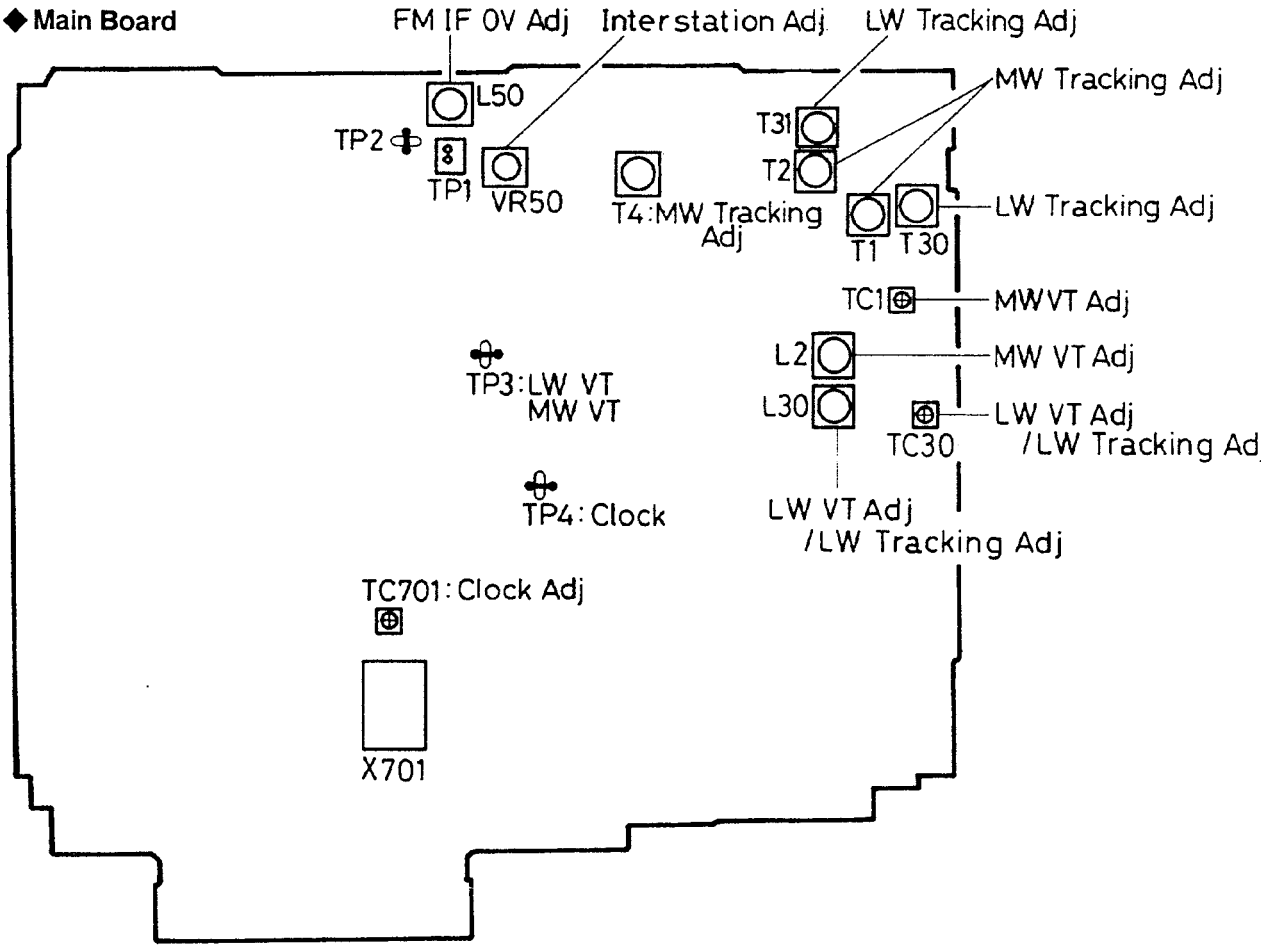
Band	Preset Memory				
	M1	M2	M3	M4	M5
FM(MHz)	87.5	89.9	97.9	105.9	107.9
MW(kHz)	522	603	999	1404	1620
LW(kHz)	144	153	216	270	281

- Manual Tuning Up/Down Frequency

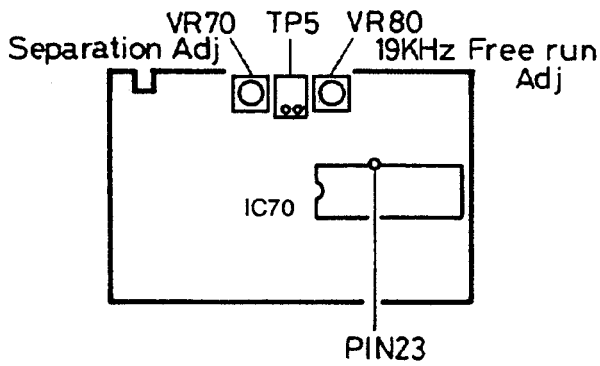
FM;200kHz Step
AM;10kHz Step
LW: 1kHz Step

■ Location of adjustment

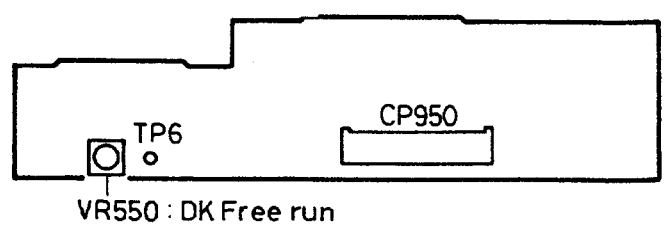
◆ Main Board



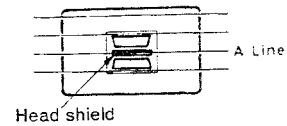
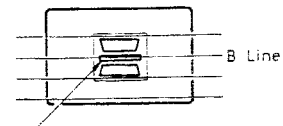
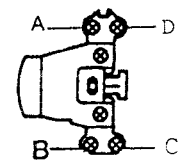
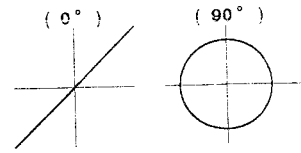
◆ MPX Board



◆ SK/DK Board



■ Tape section adjustment

Item	Conditions	Adjustment and Confirmation methods	S.Values	Adjust
1. Head Azimuth Adjustment	Test tape: SCC – 1659 MTT942SP(10kHz)	★In case the head and its height have been changed, it will be necessary to adjust the height of the head. 1. Adjustment of the height of head 1)When the mirrer tape SCC – 1659(2line tape) is travellin in the FWD. direction ,adjust the screws A and B so that the line A is located at the center of the shield plate betweenthe head vhannels. 2)When the mirrer tape SCC – 1659(2line tape) is travelling in the REV.direction, adjust the screws C and D so that the line B is located at the center of the shield plate between the head channels. 2. Head azimuth 1)Adjust the screw B so that the output level becomes maximum(L – R difference level to be within 2dB) and the phase difference becomes minimum(less than 90°)when MTT942SP is travelling in the FWD. direction. 2)Adjust the screw C so that the output level become maximum (L – R difference level to be within 2dB) and the phase difarence become minimum (less than 90°)when MTT942SP is travelling in the REV. direction. 3)By repeating the avove adjustments steps 1) and 2),make sure that the output level and phase difference as specifed respectively . 4)There is no need to preform bonding after adjustment.	 Head shield The head is at low position during FWD.  Head shield The head is at high position during REV. Output level: Maximum  screw – D Output level: Maximum screw – C phase 	
2. Tape speed and wow flutter confirmantion	Test tape:VTT712 (3kHz)	1.Check to see if the reading of the F.counter /wow flutter meter is within 3015~3045 (FWD/REV), and less than 0.35%(JIS RMS) . 2. In case of out of specefication,adjust the motor with a built – in volume resistor.	Tape speed: 3015 ~3045Hz Wow flutter:less than0.35%	Built – in volume resistor
3.Playback frequency response confirmation	Test tape:VTT724 (1kHz) VTT736 (125Hz/1kHz/8kHz)	1. Play test tape VTT724, the set the volume position at 1.4V 2. Play test tape VTT736 confirm 1kHz/8kHz:0 ± 3dB 1kHz/125Hz:0 ± 3dB 3. When 8 kHz is out of specification, it will be nesessary to read just the azimuth	Speaker out 1kHz/125Hz :0 ± 3dB 1kHz/8kHz :0 ± 3dB	

Item	Conditions	Adjustment and Confirmation methods	S.Values	Adjust
4.Maximum output power confirmation	Test tape :VTT721 (1kHz) volume:maxiimum BASS/TRE:center	1. Confirm both the front and rea output be more than 4.9V. 2. Confirm that consumption current at above condition to be iess than 5A. 3. Sound leakage shold not occur at volume minimum. 4. Oscillation should not occur at BASS/TRE at minimum.	Output level:more than 6W(4.9V) Consumption current :less than 5A	
5.Playback noise	Emply tape	1. Noise level to be less than 2 mV at volume minimum. 2. Current consumption to be less 1A at above condition.	Less than 2 mV Less than 1A	
6.BASS/ TREBLE checking	FM 97.9 MHz, 66 dB μ , 22.5kHz dev. with center click, preemphasis 75 μ s.	Confirm that both BASS/TRE are within a variable range from ± 7 dB to 13 dB.	100 Hz : ± 7 dB ~13 dB (variable) 10 kHz : ± 7 dB ~13 dB (variable)	

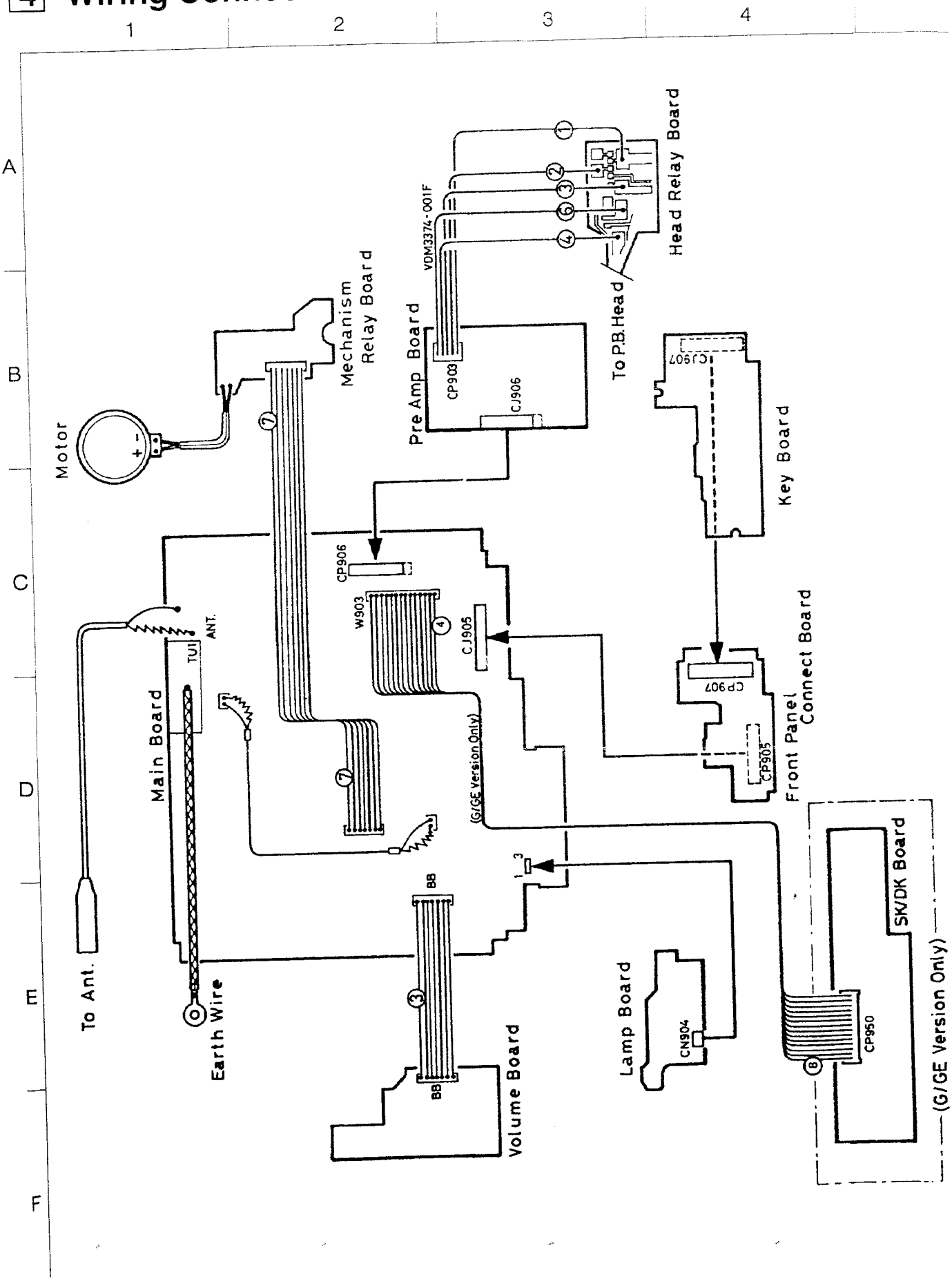
■ Tuner section adjustment

Item	Conditions	Adjustment and Confirmation methods	S.Values	Adjust
FM IF 0V adjustment	FM:97.9MHz 66dB μ V non-modulation TP:TP1	1. Connect the digital voltmeter to both end TP1. 2. Receive the 97.9MHz(66dB μ V, non-modulated)from SSG. 3. Adjust L50 so that the digital tester reading is 0V ± 10mV.	0V ± 10mV	L50
Adjustment of inter-station muting	FM97.9MHz 400Hz 66dB μ V TP:Speaker out	1. When the SSG output has been changed to -19dB(conditions without any input signal)from 66dB. 2. Adjust VR50 so that differrence level at speaker out be come 20dB.	Difference level 20dB	VR50
19kHz free run adjustment	FM97.9MHz 66dB μ v non-modulation TP:pin23 of IC70	1. Adjust VR80 so that the value at the measuring point be come 19kHz ± 50Hz. (At this time ,connect a 180k Ω (resistor) between the pin 23 of IC70 and GND.) NOte: The counter to be used should be of high impedance type.	19kHz ± 50Hz	VR80

Iteme	Conditions	Adjustment and Confirmation	S.Values	Adjust
DK free-run adjustment (G/GE version)	FM:97.9MHz,66dB μ V non-modulation TP:TP6	Adjust VR550 so that the output terminal TP6 becomes 125Hz ± 1Hz. (Preforme this adjustment before to mounting the bottom cover).	125Hz ± 1Hz	VR550
Separation adjustment	FM:97.9MHz,Stereo and moduration of only R-ch. TP:Sperker output	Adjust VR 70 so that the L-ch output become minimal under the receiving condition.	L-ch output: minimum	VR70
MW VT adjustment	Non-connection of SSG. TP:TP3	1. Adjust L2 so that the DC level at TP3 becoms 1. 2V under the 522kHz receiving conditions. 2. Adjust TC1 so that the DC level at TP3 becomes 6.6V under the 1404kHz receiving condition. 3. Repeat the adjustment in steps 1.and 2. abobe so that the respectively adjusted voltage within the specified values.	1.2V ± 0.05V 6.6V ± 0.1V	L2 TC1 L2,TC1
MW tracking adjustment	Weak imput form which the output peak can be judged of SSG level. TP:Speaker output	1. Under the 603kHz receiving condition ,adjust T1,T2 and T4 so that the output reaches a peak. 2. Under the 1404kHz receiving condition, adjust TC1 so that the output reaches a peak. 3. Repeat the adjustment in steps 1. and 2. above so that the sensitivity becomes maximum. 4. After completion of adjustment above, confirm that the VT voltage at 1620kHz is 8.2V or less.	Maxmum Maxmum 8.2V or less	T1,T2 andT4 TC1 T1,T2,T4 and TC1
LW VT adjustment	Non-connection of SSG TP:TP3	1. Under the 144kHz receiving condition, adjust L30 so that the DC level at TP3 be becomes1.2V 2. Under the 281kHz receiving condition, adjust TC30 so that the DC level at TP3 become 5.0V. 3. Repeat the adjustment in steps 1. and 2. above so that the respective DC level become within the specified value.	1.2V ± 0.005V 5.0V ± 0.1V	L30 TC30 L30 and TC30

Iteme	Conditions	Adjustment and Confirmation	S.Values	Adjust
LW tracking 1 Adjustment	Weak input from which the output peak can be judged of SSG level. TP:SPEAKER output	1. Under the 153kHz receiving conditions, adjust T30and T31 so that the output reachs a peak. 2. Under the 281kHz receiving conditions, adjust TC30 so that the output reachs a peak. 3. Repeat the adjustment in steps 1. and 2. above so that the sensitivity becomes maximum.	maximum	T30 and T31 TC30 T30,T31 and TC30
LW tracking 2 adjustment	Weak input from which the output peak can be judged of SSG level. TP:SPEAKER output	1. Under the 153kHz receiving conditions, adjust L30 so that the output reachs a peak. 2. Under the 281kHz receiving conditions, adjust TC30 so that the output reachs a peak. 3. Repeat the adjustment in steps 1. and 2. above so that the sensitivity becomes maximum. 4. After completion of adjustment ,confirm that the VT voltage at 281kHz becomes 8.0V or less.	Maximum	L30 TC30 L30 and TC30
CLOCK frequency adjustment	TP:TP4	At MW 1620kHz indication, Adjust TC701 so that the frequency at TP4 falls within 2070kHz ± 5Hz. (Notes) ①The above adjustment should be preformed after adjusting the tuner. ②The counter to be used shold be of high impedance type.	2070kHz ± 5Hz	TC701

4 Wiring Connections



5 Block Diagram

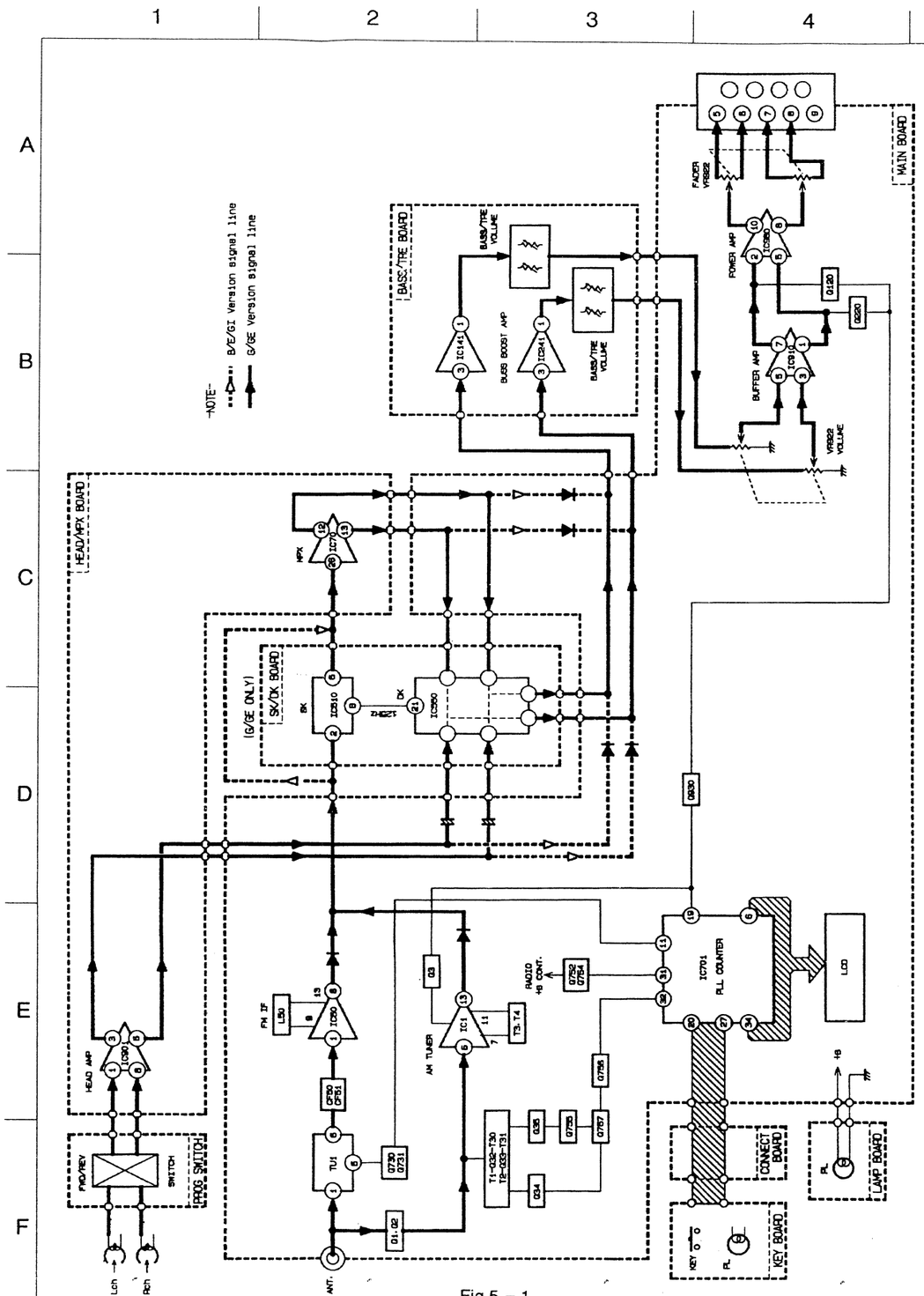


Fig 5 – 1

6 Standard Schematic Diagram

■ SK/DK Circuit (G/GE Version)

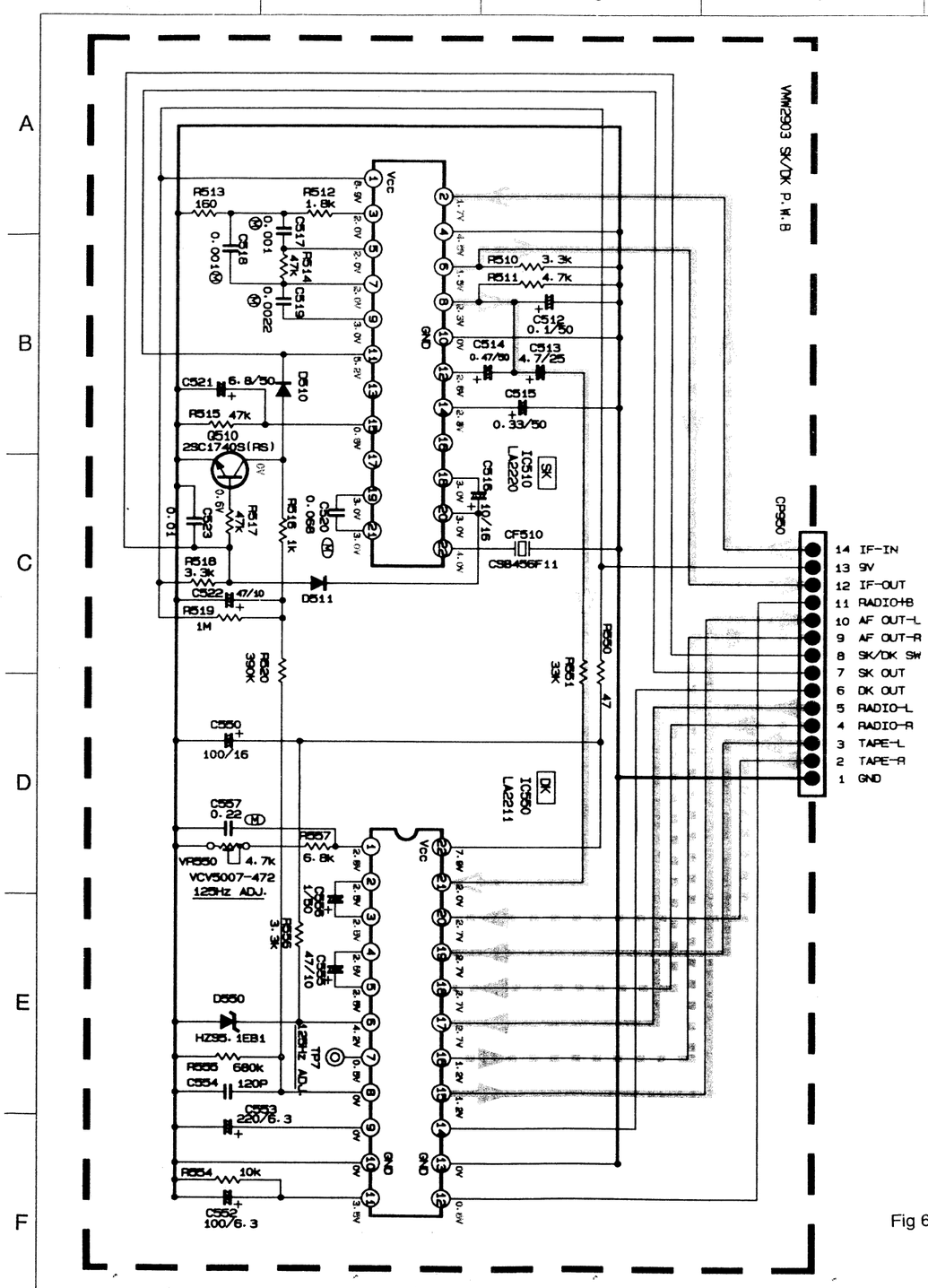


Fig 6 – 1

■ Tuner/Cystem Control Circuit (G/GE Version)

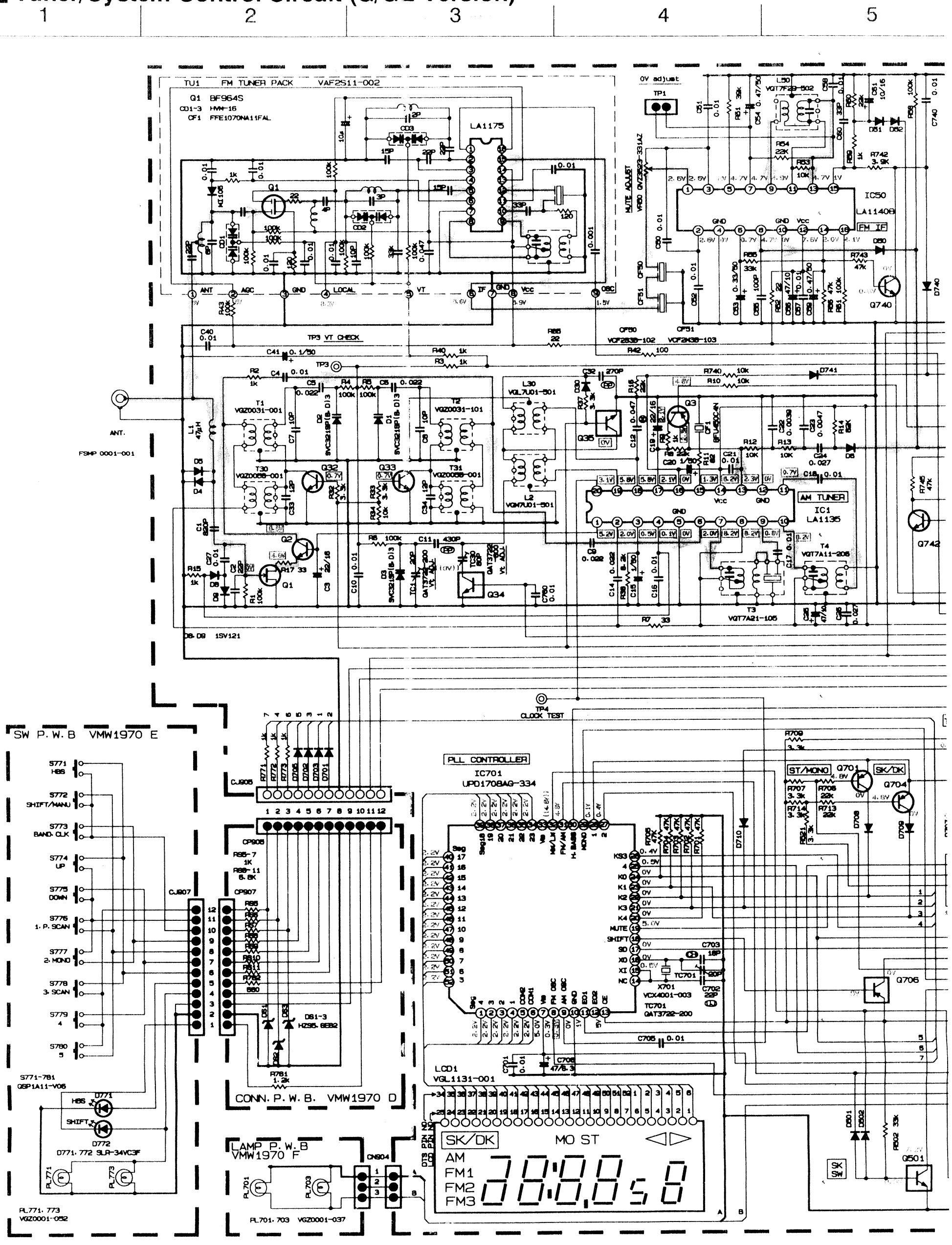


Fig 6 – 2

5 | 6 | 7 | 8 | 9

2SD973(A.S)	Q751.
2SD638(A.S)	Q720. Q750.
2SC1740S(A.S)	Q2. Q32. Q33. Q722. Q730. Q731. Q740. Q741. Q742. Q771
2SA933(A.S)	Q3. Q701. Q702. Q703. Q704. Q721. Q752. Q754.
BA1A4M	Q34. Q35. Q501. Q753.
BA1L4M	Q755. Q756.
BN1A4M	Q831.
BN1L4M	Q706. Q757. Q930.
2SK519(EL.FL)	Q1.

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION - - - FM MODE. (( ))LW MODE. ▭ MW MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/6W 5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).
   ALL DIODES ARE 1SS133T

Ⓜ - - - MYLAR CAPACITOR
Ⓟ - - - POLYPROPYLENE CAPACITOR

MAIN P.W.B VMW1970 A

L.P.F
IC50 LA1140B
FM IF
SD
5V REG.
8V FM/AM SW
8V REG.
MUTE
TAPE/RADIO
SK/DK
FWD/REV
LW/MW +B SW
MECHA CONN.
MUTE SW (ON AT FF/REW/PRO) VSH1139-002
MOTOR 18400130ST
18400373027 RADIO/TAPE SW (AT TAPE)
D716 DSK10C

AMP-6V
S-METER
SK/DK SW
SK
MPX-IN
POWER-CONT
HBB-ON
MPX-6V
MUTE
FWD/REV
RADIO+B
TAPE+B
AM-6V
FM-H
ST
MONO
MEMORY
GND
HBB
14V

FM Signal Line
AM Signal Line

Fig 6 – 2

■ Tuner/Cystem Control Circuit (G/GE Version)

2SD973(A,S)	Q751.
2SD638(A,S)	Q720. Q750.
2SC1740S(A,S)	Q2. Q32. Q33. Q722. Q730. Q731. Q740. Q741. Q742. Q771
2SA933(A,S)	Q3. Q701. Q702. Q703. Q704. Q721. Q752. Q754.
BA1A4M	Q34. Q35. Q501. Q753.
BA1L4M	Q755. Q756.
BN1A4M	Q831.
BN1L4M	Q706. Q757. Q830.
2SK519(EL,FL)	Q1.

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION - - - FM MODE. (( ))LW MODE. □ MW MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).
   ALL DIODES ARE 1SS133T
   ⊖ - - - MYLAR CAPACITOR
   ⊖ - - - POLYPROPYLENE CAPACITOR

MAIN P.W.B VMW1970 A

SW P.W.B VMW1970 E

CONN. P.W.B. VMW1970 D

LAMP P.W.B VMW1970 F

FM Signal Line
AM Signal Line

Fig 6 – 2

■ Amplifier Circuit (G/GE Version)

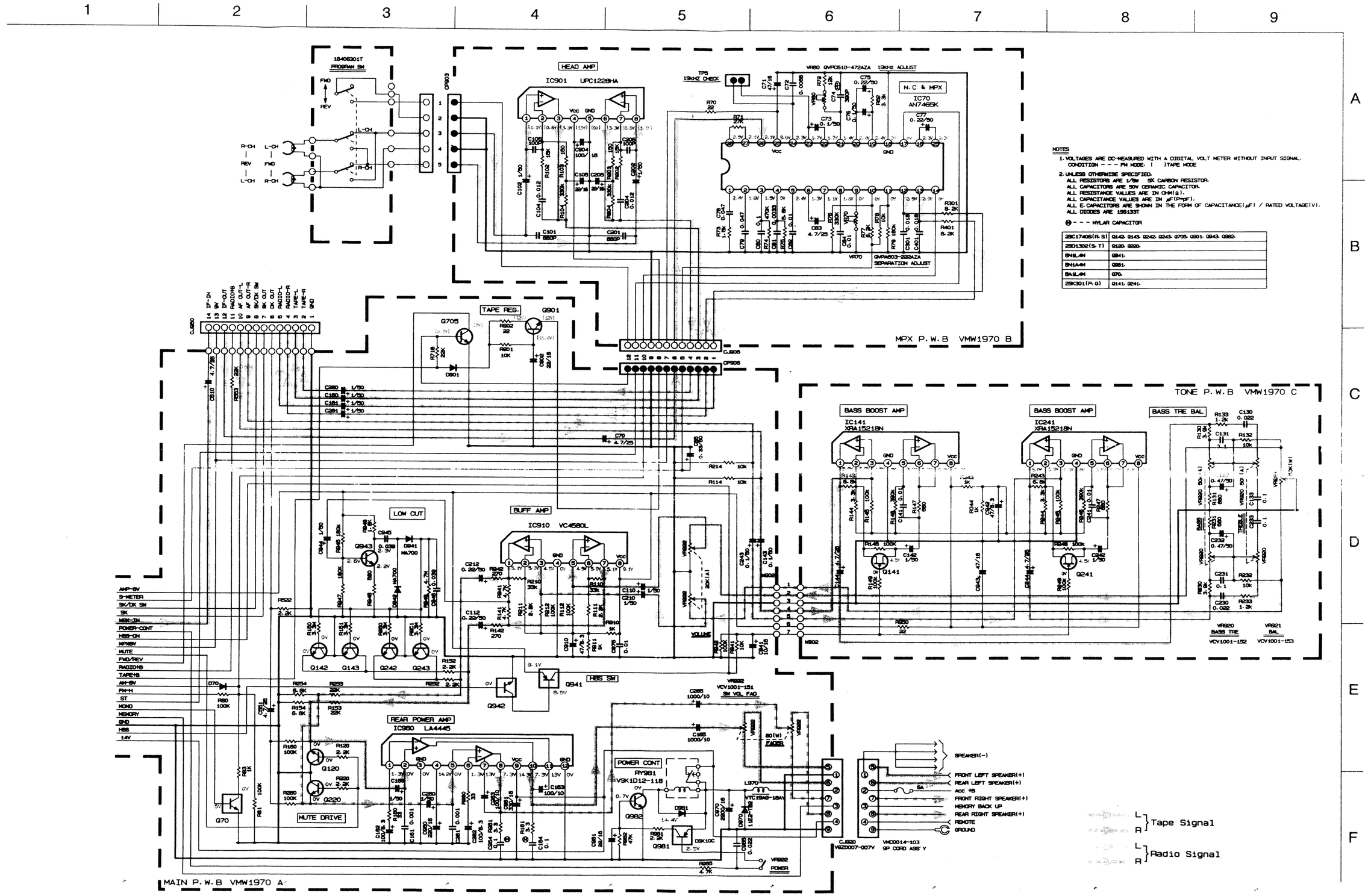


Fig 6 – 3

Tuner/Cystem Control Circuit (B/E/GI Version)

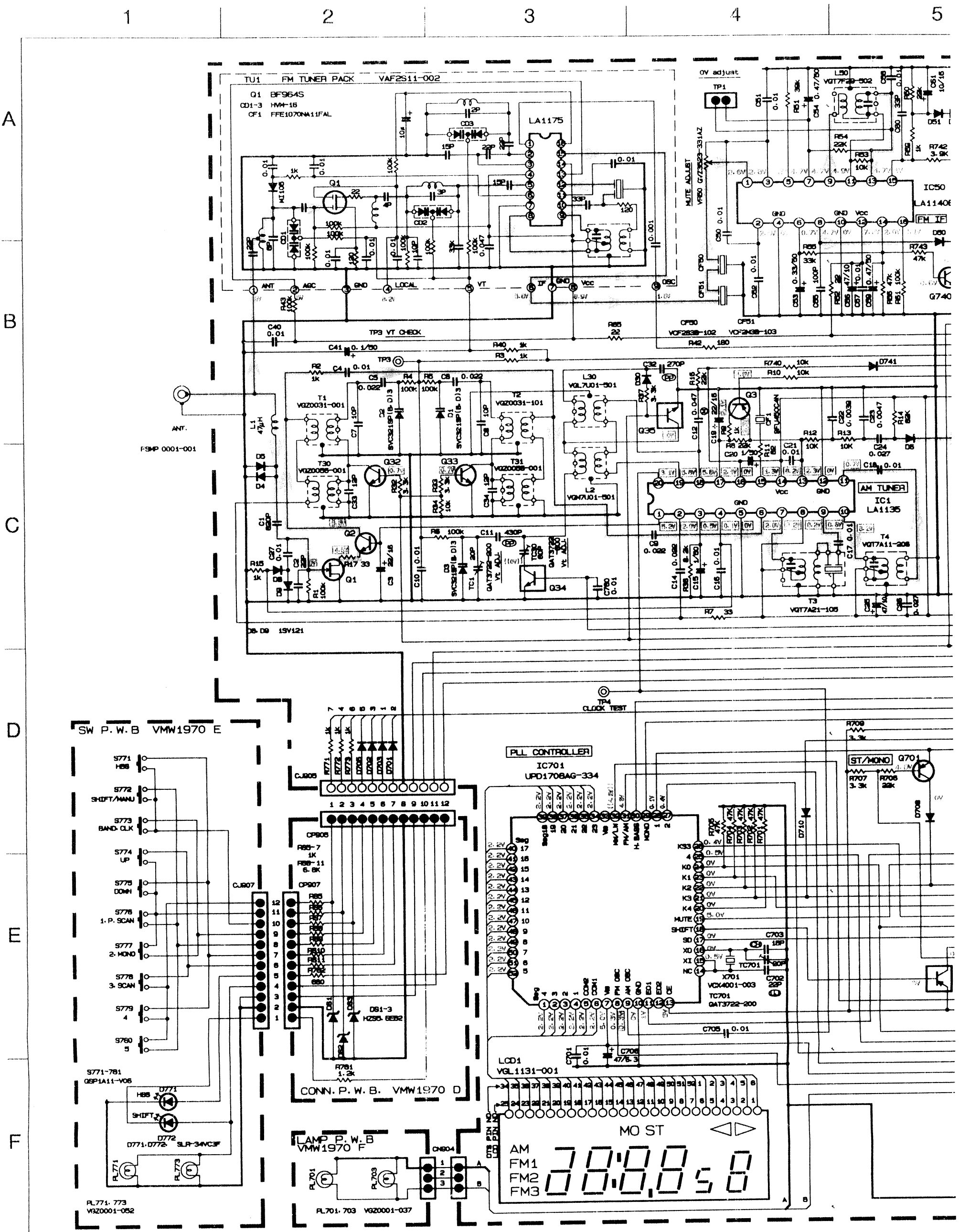


Fig 6

5 6 7 8 9

2SD973(R.S)	Q751.
2SD536(R.S)	Q720. Q730.
2SC1740S(R.S)	Q2. Q32. Q33. Q722. Q730. Q731. Q740. Q741. Q742. Q771
2SA933(R.S)	Q3. Q701. Q702. Q703. Q721. Q752. Q754. Q756.
BA1A4M	Q34. Q35. Q753. Q760.
BA1L4M	Q755. Q756.
BN1A4M	Q831.
BN1L4M	Q708. Q757. Q930.
2SK519(EL.FL)	Q1.

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION - - - FM MODE. (( ))LW MODE. ▭ MW MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/6W 5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).
   ALL DIODES ARE 1SS133T

Ⓜ - - - MYLAR CAPACITOR
Ⓟ - - - POLYPROPYLENE CAPACITOR

MAIN P.W.B VMW1970 A

L.P.F
IC50 LA1140B
FM IF
Q731 Q730 Q740
D50 D51 D52 D740 D741 D7
KZS10B2
IC1 LA1135
AM TUNER
T4 VGT7A11-206
Q742 Q741 Q706
SD
TAPE/RADIO
ST/MONO Q701 Q702 Q703 Q704
FWD/REV
Q771
Q720 Q722 Q721 Q723
5V REG.
Q760 Q758 Q754 Q752 Q751 Q750 Q753
8V FM/AM SW
8V REG.
MUTE
Q930 Q931
Q757 Q756 Q755
LW/MW +B SW
D716 DSK10C
MUTE SW
(ON AT FF/REW/PRO)
VSH1139-002
MECHA CONN.
MOTOR
1840013097
1840037302T
RADIO/TAPE SW
(AT TAPE)

AMP-8V
S-METER
MPX-IN
POWER-CONT
MSB-ON
MPX-8V
MUTE
FWD/REV
TAPE+B
AM-8V
FM-H
ST
MONO
MEMORY
GND
MSB
14V

Fig 6 – 4

FM Signal Line
AM Signal Line

■ Tuner/Cystem Control Circuit (B/E/GI Version)

2SD973(A,S)	Q751.
2SD536(A,S)	Q720. Q750.
2SC1740S(A,S)	Q2. Q32. Q33. Q722. Q730. Q731. Q740. Q741. Q742. Q771
2SA933(A,S)	Q3. Q701. Q702. Q703. Q721. Q752. Q754. Q755.
BA1A4M	Q34. Q35. Q753. Q760.
BA1L4M	Q755. Q756.
BN1A4M	Q691.
BN1L4M	Q706. Q757. Q930.
2SK519(EL,FL)	Q1.

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION - - - FM MODE, (( )) LW MODE, [ ] MW MODE
2. UNLESS OTHERWISE SPECIFIED
ALL RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN μF(P=pF).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).
ALL DIODES ARE 1SS133T
Ⓜ - - - MYLAR CAPACITOR
Ⓟ - - - POLYPROPYLENE CAPACITOR

MAIN P.W.B VMW1970 A

SW P.W.B VMW1970 E

CONN. P.W.B. VMW1970 D

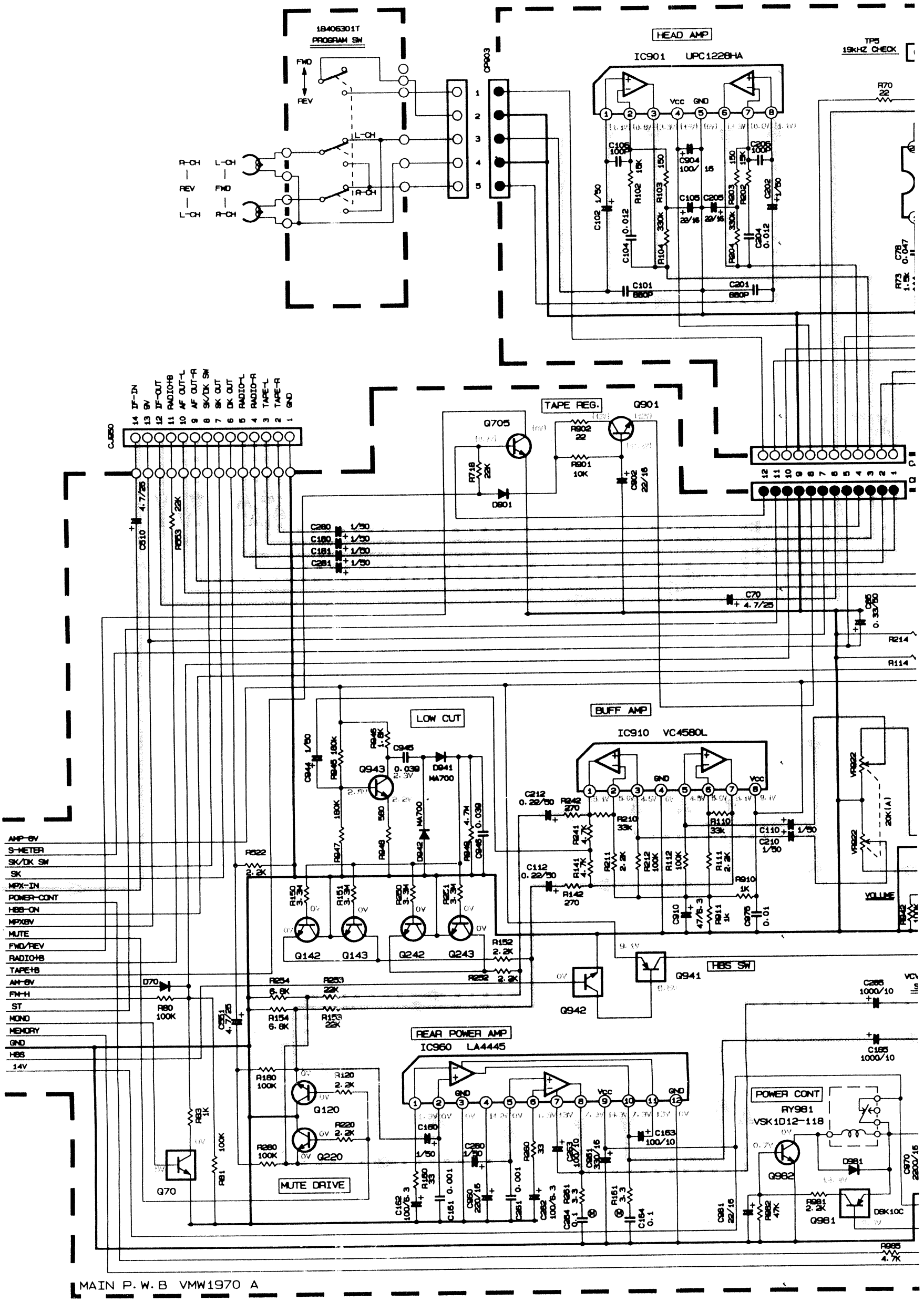
LAMP P.W.B VMW1970 F

Fig 6 – 4

FM Signal Line
AM Signal Line

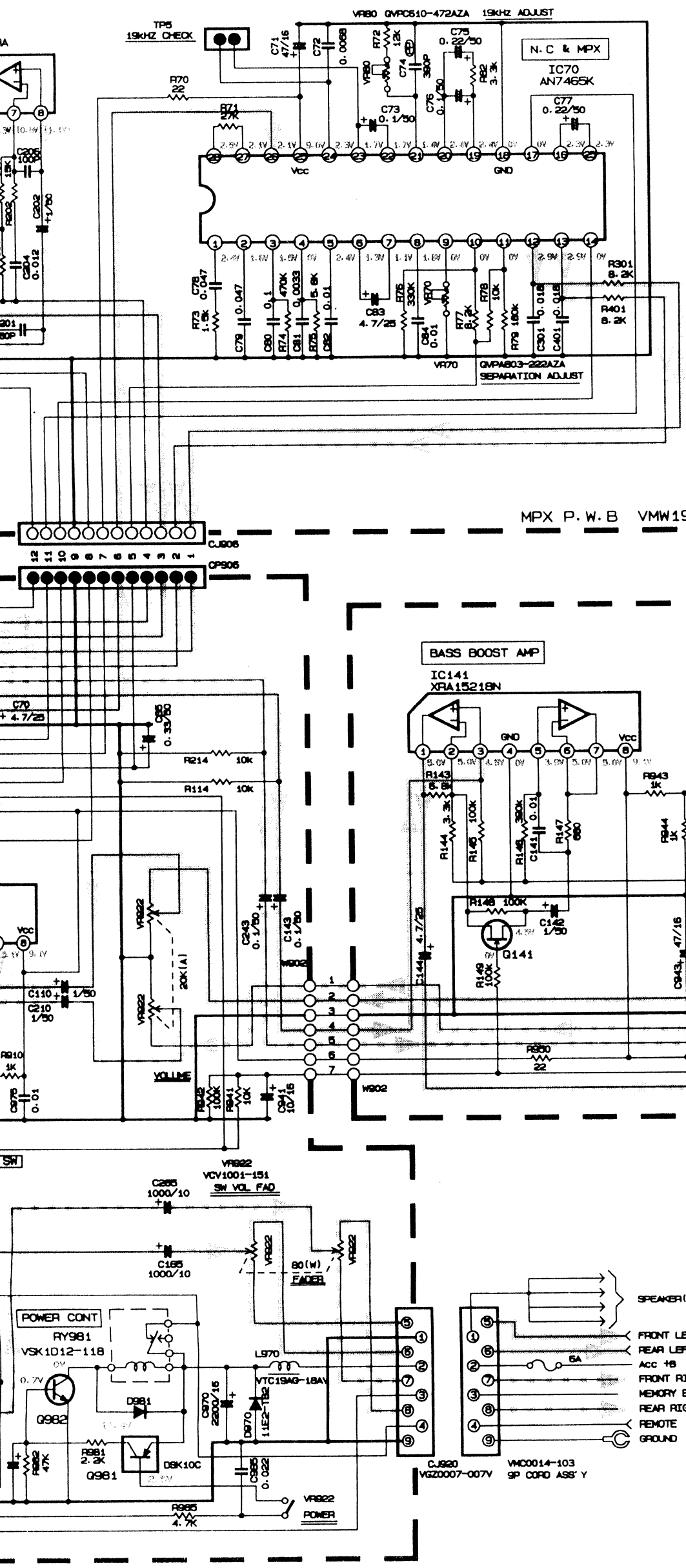
■ Amplifier Circuit (G/GE Version)

1 | 2 | 3 | 4 | 5



5 6 7 8 9

A B C D E F



NOTES

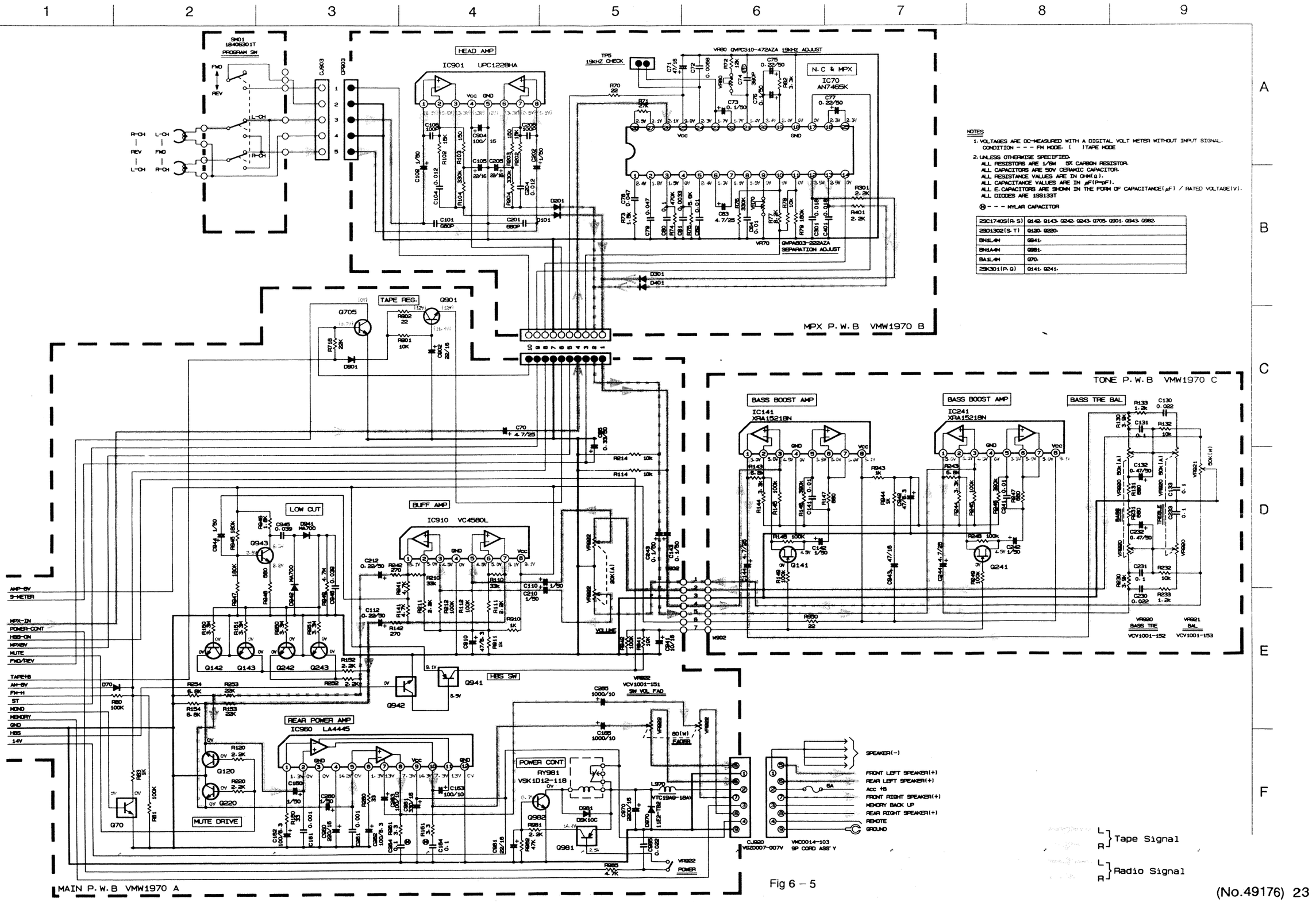
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION – – – FM MODE. ( )TAPE MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/6W 5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).
   ALL DIODES ARE 1SS133T

Ⓜ – – – MYLAR CAPACITOR

2SC1740S(R.S)	0142. 0143. 0242. 0243. 0705. 0901. 0943. 0982.
2SD1302(S.T)	0120. 0220.
BN1L4M	0941.
BN1A4M	0981.
BA1L4M	070.
2SK301(P.Q)	0141. 0241.

Fig 6 – 3

■ Amplifier Circuit (B/E/GI Version)



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION - - - FM MODE. ( )TAPE MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/6W 5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).
   ALL DIODES ARE 1SS133T

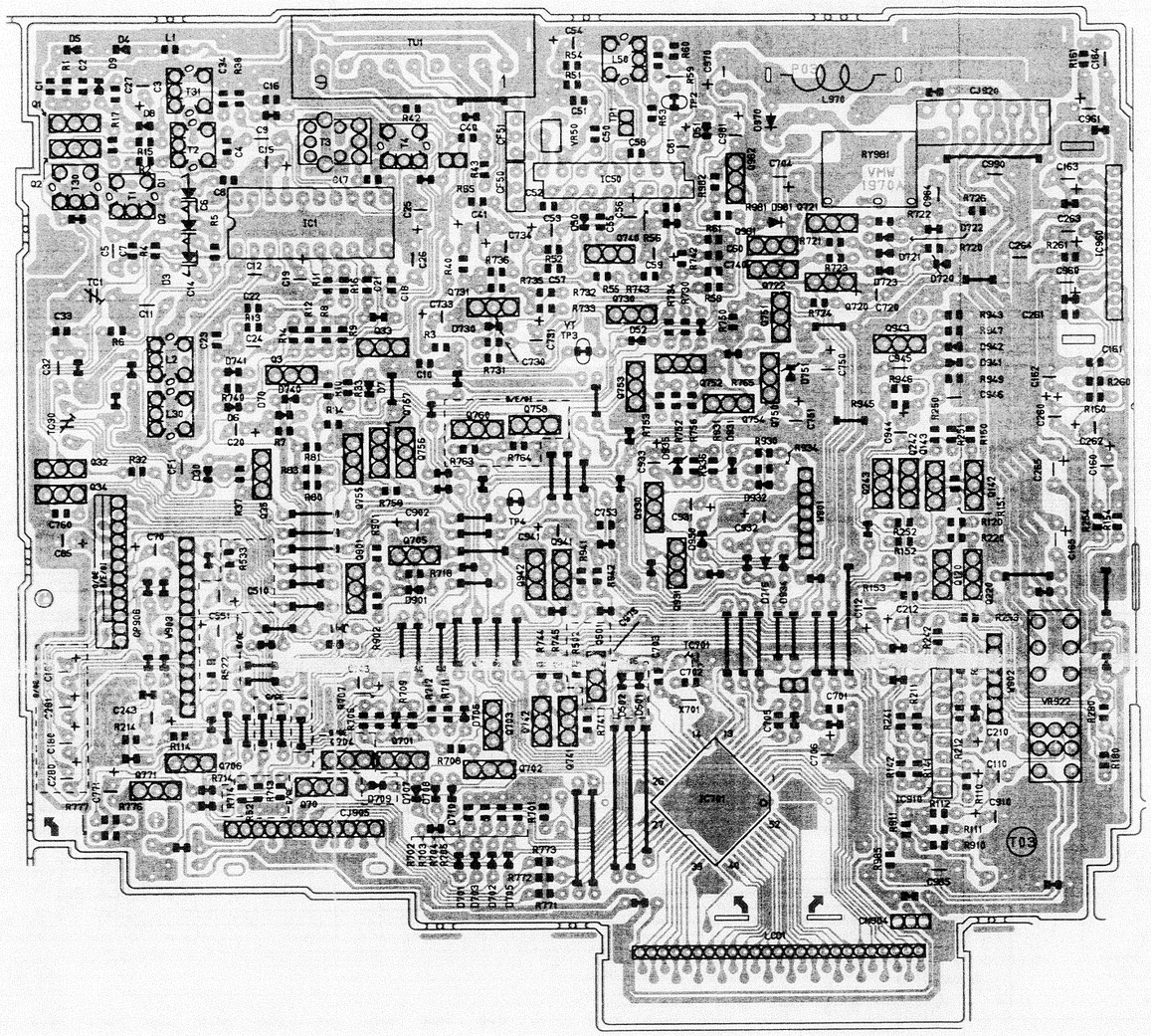
⊗ - - - MYLAR CAPACITOR

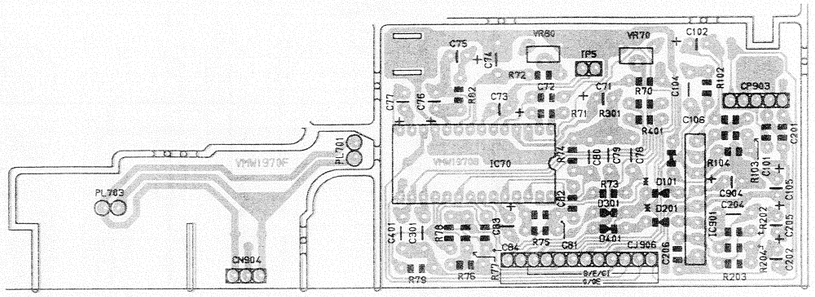
2SC1740S(R-S)	Q142· Q143· Q242· Q243· Q705· Q901· Q943· Q982·
2SD1302(S-T)	Q120· Q220·
BN1L4M	Q941·
BN1A4M	Q981·
BA1L4M	Q70·
2SK301(P,Q)	Q141· Q241·

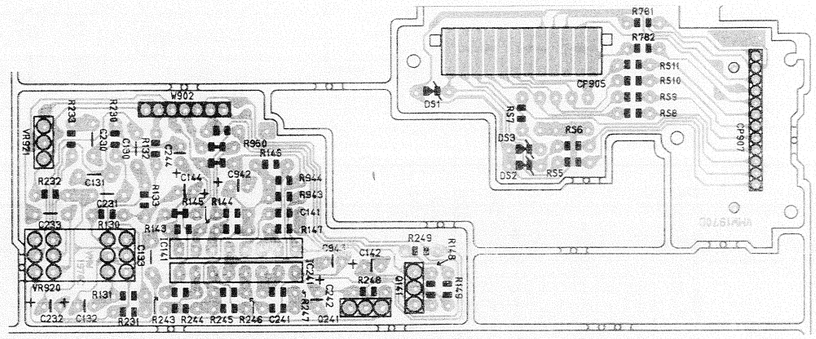
Fig 6 – 5

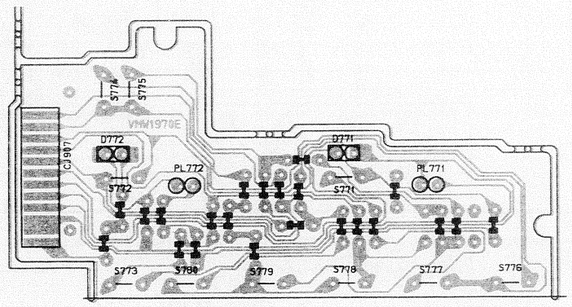
7 Locatio of P.C.Board Parts and Parts List

Main Board









	Q758	Q760	R764	R763	D501	D502	R502	R553	C510	C551	R552	Q740	D709	R713	R714	R521	C180.280	C181.281	CP906/CJ906	D101.201
B/E/GI	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10 PIN	○
G/GE	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	12 PIN	BUS

Fig 7 – 1

● Main Board Parts List

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 1	QCBB1HK-821Y	C CAPACITOR	820PF 10% 50V	
	C 2	QCS11HJ-220	C CAPACITOR	22PF 5% 50V	
	C 3	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 4	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 5	QCC11EK-223ZV	C CAPACITOR	.022MF 10% 25V	
	C 6	QCC11EK-223ZV	C CAPACITOR	.022MF 10% 25V	
	C 7	QCS11HJ-100	C CAPACITOR	10PF 5% 50V	
	C 8	QCS11HJ-100	C CAPACITOR	10PF 5% 50V	
	C 9	QCC11EK-223ZV	C CAPACITOR	.022MF 10% 25V	
	C 10	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 11	QFP42AJ-431	PP CAPACITOR	430PF 5% 100V	
	C 12	QFV81HJ-473	TF CAPACITOR	.047MF 5% 50V	
	C 14	QCC11EK-223ZV	C CAPACITOR	.022MF 10% 25V	
	C 15	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 16	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 17	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 18	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 19	QER41CM-226VM	E CAPACITOR	22MF 20% 16V	
	C 20	QER41HM-105VM	E CAPACITOR	1.0MF 20% 50V	
	C 21	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 22	QCXB1CM-392Y	C CAPACITOR	3900PF 20% 16V	
	C 23	QCXB1CM-472Y	C CAPACITOR	4700PF 20% 16V	
	C 24	QCC11EK-273ZV	C CAPACITOR	.027MF 10% 25V	
	C 25	QERF1AM-476ZN	E CAPACITOR	47MF 20% 10V	
	C 26	QCC11EK-223ZV	C CAPACITOR	.022MF 10% 25V	
	C 27	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 32	QFP32AJ-271ZM	PP CAPACITOR	270PF 5% 100V	
	C 33	QCS11HJ-120	C CAPACITOR	12PF 5% 50V	
	C 34	QCS11HJ-120	C CAPACITOR	12PF 5% 50V	
	C 40	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 41	QER41HM-104M	E CAPACITOR	.10MF 20% 50V	
	C 50	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 51	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 52	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 53	QER41HM-334VM	E CAPACITOR	.33MF 20% 50V	
	C 54	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	
	C 55	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 56	QERF1AM-476ZN	E CAPACITOR	47MF 20% 10V	
	C 57	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 58	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 59	QERF1HM-474ZM	E CAPACITOR	.47MF 20% 50V	
	C 60	QCS11HJ-330	C CAPACITOR	33PF 5% 50V	
	C 61	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 70	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 71	QEK41CM-476	E CAPACITOR	47MF 20% 16V	
	C 72	QCXB1CM-682Y	C CAPACITOR	6800PF 20% 16V	
	C 73	QEK41HM-104	E CAPACITOR	.10MF 20% 50V	
	C 74	QFP32AJ-391ZM	PP CAPACITOR	390PF 5% 100V	
	C 75	QEK41HM-224	E CAPACITOR	.22MF 20% 50V	
	C 76	QEK41HM-104	E CAPACITOR	.10MF 20% 50V	
	C 77	QEK41HM-224	E CAPACITOR	.22MF 20% 50V	
	C 78	QCC11EM-473V	C CAPACITOR	.047MF 20% 25V	
	C 79	QCC11EM-473V	C CAPACITOR	.047MF 20% 25V	
	C 80	QCC11EM-104V	C CAPACITOR	.10MF 20% 25V	
	C 81	QCXB1CM-332Y	C CAPACITOR	3300PF 20% 16V	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 82	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 83	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 84	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 85	QEK41HM-334	E CAPACITOR	.33MF 20% 50V	
	C 101	QCBB1HK-681Y	C CAPACITOR	680PF 10% 50V	
	C 102	QER41HM-105VM	E CAPACITOR	1.0MF 20% 50V	
	C 104	QCC11EK-123ZV	C CAPACITOR	.012MF 10% 25V	
	C 105	QER41CM-226VM	E CAPACITOR	22MF 20% 16V	
	C 106	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 110	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 112	QEK41HM-224	E CAPACITOR	.22MF 20% 50V	
	C 130	QCC11EM-223V	C CAPACITOR	.022MF 20% 25V	
	C 131	QCC11EM-104V	C CAPACITOR	.10MF 20% 25V	
	C 132	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	
	C 133	QCC11EM-104V	C CAPACITOR	.10MF 20% 25V	
	C 141	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 142	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 143	QER41HM-104M	E CAPACITOR	.10MF 20% 50V	
	C 144	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 160	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 161	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 162	QEKF1AM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 163	QETC1AM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 164	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
	C 165	QETC1AM-108ZN	E CAPACITOR	1000MF 20% 10V	
	C 180	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 181	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 201	QCBB1HK-681Y	C CAPACITOR	680PF 10% 50V	
	C 202	QER41HM-105VM	E CAPACITOR	1.0MF 20% 50V	
	C 204	QCC11EK-123ZV	C CAPACITOR	.012MF 10% 25V	
	C 205	QER41CM-226VM	E CAPACITOR	22MF 20% 16V	
	C 206	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 210	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 212	QEK41HM-224	E CAPACITOR	.22MF 20% 50V	
	C 230	QCC11EM-223V	C CAPACITOR	.022MF 20% 25V	
	C 231	QCC11EM-104V	C CAPACITOR	.10MF 20% 25V	
	C 232	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	
	C 233	QCC11EM-104V	C CAPACITOR	.10MF 20% 25V	
	C 241	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 242	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 243	QER41HM-104M	E CAPACITOR	.10MF 20% 50V	
	C 244	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 260	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 261	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 262	QEKF1AM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 263	QETC1AM-107ZN	E CAPACITOR	100MF 20% 10V	
	C 264	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
	C 265	QETC1AM-108ZN	E CAPACITOR	1000MF 20% 10V	
	C 280	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 281	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 301	QCC11EK-183ZV	C CAPACITOR	.018MF 10% 25V	
	C 401	QCC11EK-183ZV	C CAPACITOR	.018MF 10% 25V	
	C 510	QER41EM-475VM	E CAPACITOR	4.7MF 20% 25V	
	C 551	QER41EM-475VM	E CAPACITOR	4.7MF 20% 25V	
	C 701	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 702	QCT30UJ-220Y	C.CAPACITOR	22PF 5% 50V	
	C 703	QCT30CH-180Y	C.CAPACITOR	18PF 5% 50V	
	C 704	QETC1AM-108ZN	E CAPACITOR	1000MF 20% 10V	
	C 705	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 706	QERF0JM-476ZN	E CAPACITOR	47MF 20% 6.3V	
	C 720	QER41CM-106M	E CAPACITOR	10MF 20% 16V	
	C 730	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V	
	C 731	QER41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 733	QER41CM-476M	E CAPACITOR	47MF 20% 16V	
	C 734	QER41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 740	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 750	QERF1AM-227ZM	E CAPACITOR	220MF 20% 10V	
	C 751	QERF1AM-476ZN	E CAPACITOR	47MF 20% 10V	
	C 753	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 760	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 771	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 902	QER41CM-226VM	E CAPACITOR	22MF 20% 16V	
	C 904	QEKF1CM-107ZN	E CAPACITOR	100MF 20% 16V	
	C 910	QEK40JM-476	E CAPACITOR	47MF 20% 6.3V	
	C 931	QER41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 932	QERF0JM-107ZN	E CAPACITOR	100MF 20% 6.3V	
	C 933	QER41EM-475VM	E CAPACITOR	4.7MF 20% 25V	
	C 941	QER41CM-106M	E CAPACITOR	10MF 20% 16V	
	C 942	QEK40JM-476	E CAPACITOR	47MF 20% 6.3V	
	C 943	QEK41CM-476	E CAPACITOR	47MF 20% 16V	
	C 944	QER41HM-105VM	E CAPACITOR	1.0MF 20% 50V	
	C 945	QCC11EM-393ZV	C CAPACITOR	.039MF 20% 25V	
	C 946	QCC11EM-393ZV	C CAPACITOR	.039MF 20% 25V	
	C 960	QETA1CM-227	E CAPACITOR	220MF 20% 16V	
	C 961	QETC1CM-337ZN	E CAPACITOR	330MF 20% 16V	
	C 964	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
	C 970	QETB1CM-228N	E CAPACITOR	2200MF 20% 16V	
	C 975	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
	C 981	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 985	QCC11EM-223V	C CAPACITOR	.022MF 20% 25V	
	C 990	QCY41HK-102	C CAPACITOR	1000PF 10% 50V	
	CF 1	BFU450C4N	CERAMIC FILTER		
	CF 50	VCF2S3B-102	C FILTER		
	CF 51	VCF2M3B-103	C FILTER		
	CJ905	VMC0232-S12	CONNECTOR	TO CONN PWB	
	CJ906	VMC0136-012	CONNECTOR	TO MAIN PWB	
	CJ907	VMC0259-002	CONNECTOR		
	CJ920	VGZ0007-007V	FEED THRU CAP		
	CN904	VMC0198-003	CONNECTOR		
	CP901	VMC0135-012	CONNECTOR	TO MPX PWB	
	CP903	TXLL-005-M	CONNECTOR	FROM MECHA	
	CP905	VMC0232-Q12	CONNECTOR		
	CP905	VMC0232-S12	CONNECTOR	TO CONN PWB	
	CP906	VMC0135-012	CONNECTOR	TO MPX PWB	
	CP907	VMC0278-002	CONNECTOR		
	D 3	SVC321SP	VARI.CAP		
	D 4	1SS133	DIODE		
	D 5	1SS133	DIODE		
	D 6	1SS133	DIODE		
	D 7	1SS133	DIODE		

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	D 8	1SV121	PIN DIODE		
	D 9	1SV121	PIN DIODE		
	D 12	SVC321SP	VARI.CAP		
	D 30	1SS133	DIODE		
	D 50	1SS133	DIODE		
	D 51	1SS133	DIODE		
	D 52	1SS133	DIODE		
	D 70	1SS133	DIODE		
	D 501	1SS133	DIODE		
	D 502	1SS133	DIODE		
	D 701	1SS133	DIODE		
	D 702	1SS133	DIODE		
	D 703	1SS133	DIODE		
	D 705	1SS133	DIODE		
	D 706	1SS133	DIODE		
	D 707	1SS133	DIODE		
	D 708	1SS133	DIODE		
	D 709	1SS133	DIODE		
	D 710	1SS133	DIODE		
	D 716	DSK10C-E	DIODE		
	D 720	HZS5.6EB2	ZENER DIODE		
	D 721	1SS133	DIODE		
	D 722	1SS133	DIODE		
	D 723	1SS133	DIODE		
	D 730	HZS10EB2	ZENER DIODE		
	D 740	1SS133	DIODE		
	D 741	1SS133	DIODE		
	D 751	HZS10EB2	ZENER DIODE		
	D 771	SLR-34VC3F	LED (M.N.P)		
	D 772	SLR-34VC3F	LED (M.N.P)		
	D 901	1SS133	DIODE		
	D 930	1SS133	DIODE		
	D 931	MA700A	S.B.DIODE		
	D 932	1SS133	DIODE		
	D 934	1SS133	DIODE		
	D 935	HZS11EB2	SI DIODE		
	D 941	MA700A	S.B.DIODE		
	D 942	MA700A	S.B.DIODE		
	D 970	11E2	DIODE		
	D 981	DSK10C-E	DIODE		
	DS 1	HZS5.6EB2	ZENER DIODE		
	DS 2	HZS5.6EB2	ZENER DIODE		
	DS 3	HZS5.6EB2	ZENER DIODE		
	IC 1	LA1135	IC	AM TUNER	
	IC 50	LA1140B	IC	FM IF	
	IC 70	AN7465K	IC	NOIS C.&MPX	
	IC141	XRA15218N	IC		
	IC241	XRA15218N	IC	BASS BOOST AMP	
	IC701	UPD1708AG-334	IC	PLL CONTROL	
	IC901	UPC1228HA	IC	HEAD AMP	
	IC910	VC4580L	IC	BUFFER AMP	
	IC960	LA4445	IC	REAR POWER AMP	
	L 1	VQP0018-470	INDUCTOR		
	L 2	VQM7U01-501	OSC COIL(MW)		
	L 30	VQL7U01-501	OSC COIL(LW)		

BLOCK NO. 01

△	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	L 50	VQT7F29-502	IFT		
	L 970	VTC19AG-18AV	CHOKE COIL		
	LCD 1	VGL1131-001	LCD	FRONT:38%,BACK:	
	PL701	VGZ0001-037	LAMP	AMBER	B,E,G,GE
	PL701	VGZ0001-038	PILOT LAMP	GREEN	GI
	PL703	VGZ0001-037	LAMP	AMBER	B,E,G,GE
	PL703	VGZ0001-038	PILOT LAMP	GREEN	GI
	PL771	VGZ0001-052	LAMP	AMBER	B,E,G,GE
	PL771	VGZ0001-038	PILOT LAMP	GREEN	GI
	PL772	VGZ0001-038	PILOT LAMP	GREEN	GI
	PL772	VGZ0001-052	LAMP	AMBER	B,E,G,GE
	Q 1	2SK519(EL,FL)	FET		
	Q 2	2SC1740S(R,S)	TRANSISTOR		
	Q 3	2SA933S(RS)	TRANSISTOR		
	Q 32	2SC1740S(R,S)	TRANSISTOR		
	Q 33	2SC1740S(R,S)	TRANSISTOR		
	Q 34	BA1A4M	TRANSISTOR		
	Q 35	BA1A4M	TRANSISTOR		
	Q 70	BA1L4M	TRANSISTOR		
	Q 120	2SD1302(S,T)	TRANSISTOR		
	Q 141	2SK301(P,Q)	FET		
	Q 142	2SC1740S(R,S)	TRANSISTOR		
	Q 143	2SC1740S(R,S)	TRANSISTOR		
	Q 220	2SD1302(S,T)	TRANSISTOR		
	Q 241	2SK301(P,Q)	FET		
	Q 242	2SC1740S(R,S)	TRANSISTOR		
	Q 243	2SC1740S(R,S)	TRANSISTOR		
	Q 501	BA1A4M	TRANSISTOR		
	Q 701	2SA933S(RS)	TRANSISTOR		
	Q 702	2SA933S(RS)	TRANSISTOR		
	Q 703	2SA933S(RS)	TRANSISTOR		
	Q 704	2SA933S(RS)	TRANSISTOR		
	Q 705	2SC1740S(R,S)	TRANSISTOR		
	Q 706	BN1L4M	TRANSISTOR		
	Q 720	2SD636	TRANSISTOR		
	Q 721	2SA933S(RS)	TRANSISTOR		
	Q 722	2SC1740S(R,S)	TRANSISTOR		
	Q 730	2SC1740S(R,S)	TRANSISTOR		
	Q 731	2SC1740S(R,S)	TRANSISTOR		
	Q 740	2SC1740S(R,S)	TRANSISTOR		
	Q 741	2SC1740S(R,S)	TRANSISTOR		
	Q 742	2SC1740S(R,S)	TRANSISTOR		
	Q 750	2SD973	TRANSISTOR		
	Q 751	2SD973	TRANSISTOR		
	Q 752	2SA933S(RS)	TRANSISTOR		
	Q 753	BA1A4M	TRANSISTOR		
	Q 754	2SA933S(RS)	TRANSISTOR		
	Q 755	BA1L4M	TRANSISTOR		
	Q 756	BA1L4M	TRANSISTOR		
	Q 757	BN1L4M	TRANSISTOR		
	Q 771	2SC1740S(R,S)	TRANSISTOR		
	Q 901	2SC1740S(R,S)	TRANSISTOR		
	Q 930	BN1L4M	TRANSISTOR		
	Q 931	BN1A4M	TRANSISTOR		
	Q 941	BN1L4M	TRANSISTOR		

BLOCK NO. 01

△	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	Q 942	BA1L4M	TRANSISTOR		
	Q 943	2SC1740S(R,S)	TRANSISTOR		
	Q 981	BN1A4M	TRANSISTOR		
	Q 982	2SC1740S(R,S)	TRANSISTOR		
	R 1	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 2	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 3	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 4	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 5	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 6	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 7	QRD161J-330	CARBON RESISTOR	33 5% 1/6W	
	R 8	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 9	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 10	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 11	QRD161J-820	CARBON RESISTOR	82 5% 1/6W	
	R 12	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 13	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 14	QRD161J-823	CARBON RESISTOR	82K 5% 1/6W	
	R 15	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 16	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 17	QRD161J-100	CARBON RESISTOR	10 5% 1/6W	
	R 32	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 33	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 34	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 37	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 38	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
	R 40	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 42	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 43	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 51	QRD161J-393	CARBON RESISTOR	39K 5% 1/6W	
	R 52	QRD161J-220	CARBON RESISTOR	22 5% 1/6W	
	R 53	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 54	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 55	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
	R 56	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 58	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 59	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 60	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 61	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 65	QRD161J-220	CARBON RESISTOR	22 5% 1/6W	
	R 70	QRD161J-220	CARBON RESISTOR	22 5% 1/6W	
	R 71	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
	R 72	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 73	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
	R 74	QRD161J-474	CARBON RESISTOR	470K 5% 1/6W	
	R 75	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
	R 76	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
	R 77	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
	R 78	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 79	QRD161J-184	CARBON RESISTOR	180K 5% 1/6W	
	R 80	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 81	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 82	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 83	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 102	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 103	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
	R 104	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
	R 110	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
	R 111	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 112	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 114	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 120	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 130	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	R 131	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
	R 132	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 133	QRD161J-122	C RESISTOR	1.2K 5% 1/6W	
	R 141	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 142	QRD161J-271	CARBON RESISTOR	270 5% 1/6W	
	R 143	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	R 144	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 145	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 146	QRD161J-394	C RESISTOR	390K 5% 1/6W	
	R 147	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
	R 148	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 149	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 150	QRD161J-335YT	CARBON RESISTOR	3.3M 5% 1/6W	
	R 151	QRD161J-335YT	CARBON RESISTOR	3.3M 5% 1/6W	
	R 152	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 153	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 154	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	R 160	QRD161J-330	CARBON RESISTOR	33 5% 1/6W	
	R 161	QRD161J-3R3	CARBON RESISTOR	3.3 5% 1/6W	
	R 180	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 202	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
	R 203	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
	R 204	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
	R 210	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
	R 211	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 212	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 214	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 220	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 230	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	R 231	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
	R 232	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 233	QRD161J-122	C RESISTOR	1.2K 5% 1/6W	
	R 241	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	R 242	QRD161J-271	CARBON RESISTOR	270 5% 1/6W	
	R 243	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	R 244	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 245	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 246	QRD161J-394	C RESISTOR	390K 5% 1/6W	
	R 247	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
	R 248	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 249	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 250	QRD161J-335YT	CARBON RESISTOR	3.3M 5% 1/6W	
	R 251	QRD161J-335YT	CARBON RESISTOR	3.3M 5% 1/6W	
	R 252	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 253	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 254	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	R 260	QRD161J-330	CARBON RESISTOR	33 5% 1/6W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 261	QRD161J-3R3	CARBON RESISTOR	3.3 5% 1/6W	
	R 280	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 301	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 401	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 502	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
	R 521	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 522	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 553	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 701	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 702	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 703	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 704	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 705	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 706	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 707	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 708	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 709	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 711	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 712	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 713	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 714	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 718	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 720	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
	R 721	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 722	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 723	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 724	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
	R 726	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	R 730	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
	R 731	QRD161J-331	CARBON RESISTOR	330 5% 1/6W	
	R 732	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 733	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 734	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
	R 735	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
	R 736	QRD161J-221	CARBON RESISTOR	220 5% 1/6W	
	R 740	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 741	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
	R 742	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
	R 743	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 744	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 745	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 750	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 752	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 753	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 756	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
	R 758	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 771	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 772	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 773	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 776	QRD161J-393	CARBON RESISTOR	39K 5% 1/6W	
	R 777	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 781	QRD161J-122	C RESISTOR	1.2K 5% 1/6W	
	R 782	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
	R 901	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 902	QRD161J-220	CARBON RESISTOR	22 5% 1/6W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 910	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 911	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 930	QRD14AJ-102Y	C.RESISTOR	1.0K 5% 1/4W	
	R 931	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 934	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 936	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 941	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
	R 942	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
	R 943	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 944	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	R 945	QRD161J-184	CARBON RESISTOR	180K 5% 1/6W	
	R 946	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
	R 947	QRD161J-184	CARBON RESISTOR	180K 5% 1/6W	
	R 948	QRD161J-561	CARBON RESISTOR	560 5% 1/6W	
	R 949	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
	R 950	QRD161J-220	CARBON RESISTOR	22 5% 1/6W	
	R 981	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
	R 982	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
	R 985	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
	RS 5	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	RS 6	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	RS 7	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
	RS 8	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	RS 9	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	RS 10	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	RS 11	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
	RY981	VSK1D12-118	RELAY		
	S 771	QSQ1B11-V01Z	TACT SWITCH		
	S 772	QSQ1B11-V01Z	TACT SWITCH		
	S 773	QSQ1B11-V01Z	TACT SWITCH		
	S 774	QSQ1B11-V01Z	TACT SWITCH		
	S 775	QSQ1B11-V01Z	TACT SWITCH		
	S 776	QSQ1B11-V01Z	TACT SWITCH		
	S 777	QSQ1B11-V01Z	TACT SWITCH		
	S 778	QSQ1B11-V01Z	TACT SWITCH		
	S 779	QSQ1B11-V01Z	TACT SWITCH		
	S 780	QSQ1B11-V01Z	TACT SWITCH		
	T 1	VQZ0031-001	MW RF COIL		
	T 2	VQZ0031-101	MW RF COIL		
	T 3	VQT7A21-105	IFT		
	T 4	VQT7A11-206	IFT		
	T 30	VQZ0056-001	LW RF COIL		
	T 31	VQZ0056-001	LW RF COIL		
	TC 1	QAT3722-200ZM	T CAPACITOR		
	TC 30	QAT3722-600ZM	T CAPACITOR		
	TC701	QAT3722-200ZM	T CAPACITOR		
	TP 1	TXLP-002-B	CONNECTOR		
	TP 5	TXLL-002-M	CONNECTOR	19K TEST	
	TU 1	VAF2S11-003	FM FRONT END	ﾀｲｵﾝ ﾋﾞｰﾄ ﾀｲﾌﾟC	
	VR 50	QVZ3523-331AZ	V RESISTOR	MUTE ADJUST	
	VR 70	QVPA603-222M	V.RESISTOR	SEPARATION ADJ	
	VR 80	QVPC610-472	V.RESISTOR	19KHZ ADJ	
	VR920	VCV1001-152	V RESISTOR	BASS/TREBLE	
	VR921	VCV1001-153	V RESISTOR	BARANS	
	VR922	VCV1001-151	V RESISTOR	MAIN VOLUME	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	X 701	VCX4001-003	CRYSTAL		

■ SK/DK Board

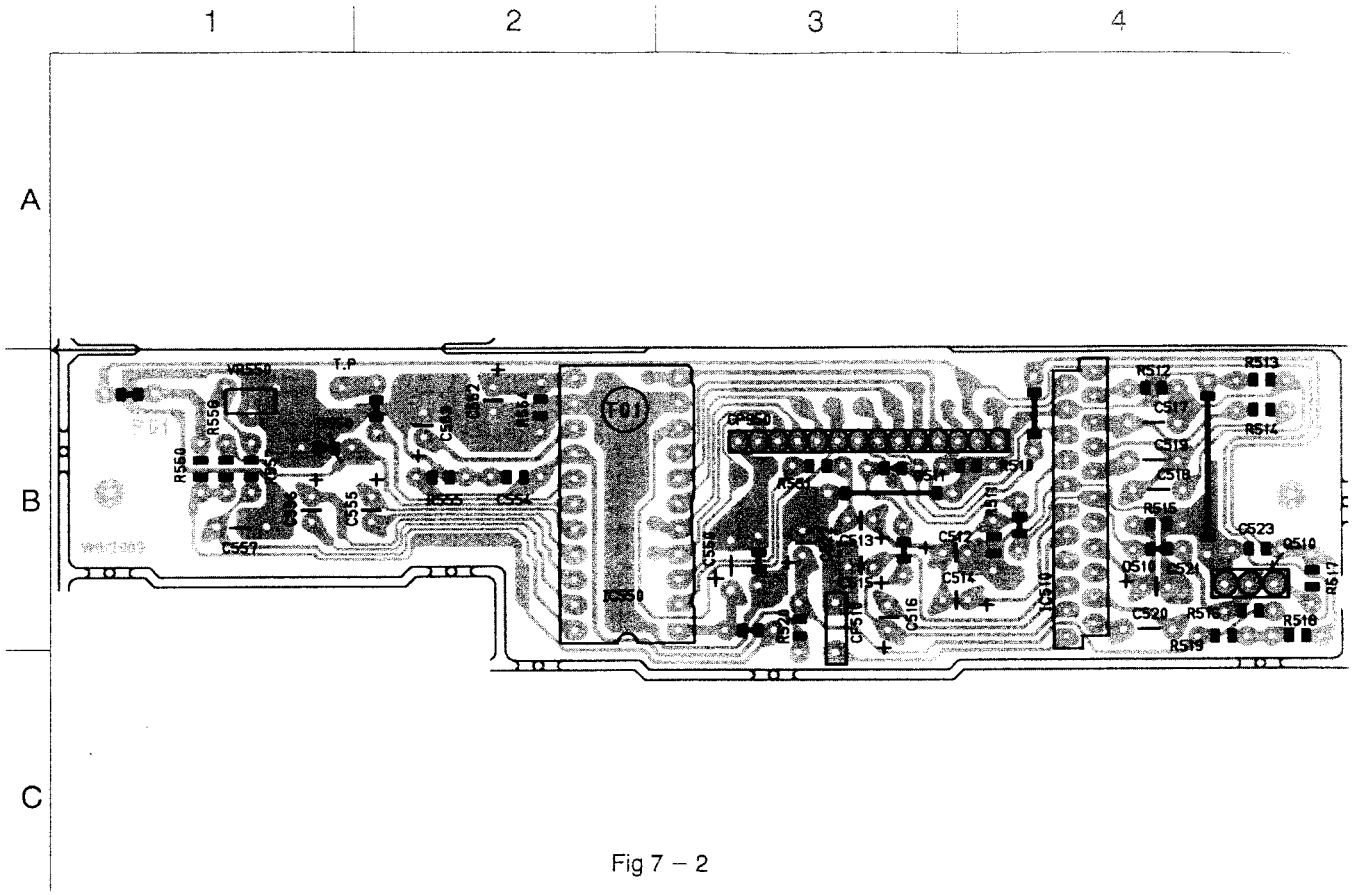


Fig 7 – 2

● SK/DK Board Parts List

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 512	QEK41HM-104	E CAPACITOR	.10MF 20% 50V	G,GE
C 513	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	G,GE
C 514	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	G,GE
C 515	QEK41HM-334	E CAPACITOR	.33MF 20% 50V	G,GE
C 516	QEK41CM-106	E CAPACITOR	10MF 20% 16V	G,GE
C 517	QFN41HJ-102	M CAPACITOR	1000PF 5% 50V	G,GE
C 518	QFN41HJ-102	M CAPACITOR	1000PF 5% 50V	G,GE
C 519	QFN41HJ-222	M CAPACITOR	2200PF 5% 50V	G,GE
C 520	QFV81HJ-683	TF.CAPACITOR	.068MF 5% 50V	G,GE
C 521	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	G,GE
C 522	QERF1AM-476ZN	E CAPACITOR	47MF 20% 10V	G,GE
C 523	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	G,GE
C 550	QETC1CM-107ZN	E CAPACITOR	100MF 20% 16V	G,GE
C 552	QEKF1AM-107ZN	E CAPACITOR	100MF 20% 10V	G,GE
C 553	QEK40JM-227	E CAPACITOR	220MF 20% 6.3V	G,GE
C 554	QCBB1HK-121Y	C CAPACITOR	120PF 10% 50V	G,GE
C 555	QEK41CM-476	E CAPACITOR	47MF 20% 16V	G,GE
C 556	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	G,GE
C 557	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	G,GE
CF510	CSB456F11	CELA LOCK		G,GE
CP950	TXLL-014-M	CONNECTOR		G,GE
D 510	1SS133	DIODE		G,GE
D 511	1SS133	DIODE		G,GE
D 550	HZS5.1EB1	ZENER DIODE		G,GE
IC510	LA2220	IC	SK	G,GE
IC550	LA2211	IC	DK	G,GE
Q 510	2SC1740S(R,S)	TRANSISTOR		G,GE
R 510	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	G,GE
R 511	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	G,GE
R 512	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	G,GE
R 513	QRD161J-161YT	CARBON RESISTOR	160 5% 1/6W	G,GE
R 514	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	G,GE
R 515	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	G,GE
R 516	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	G,GE
R 517	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	G,GE
R 518	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	G,GE
R 519	QRD161J-105	CARBON RESISTOR	1.0M 5% 1/6W	G,GE
R 520	QRD161J-394	C RESISTOR	390K 5% 1/6W	G,GE
R 550	QRD161J-470	CARBON RESISTOR	47 5% 1/6W	G,GE
R 551	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	G,GE
R 554	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	G,GE
R 555	QRD161J-684	CARBON RESISTOR	680K 5% 1/6W	G,GE
R 556	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	G,GE
R 557	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	G,GE
VR550	QVPC610-472	V.RESISTOR	125HZ ADJ	G,GE

SK/DK Board

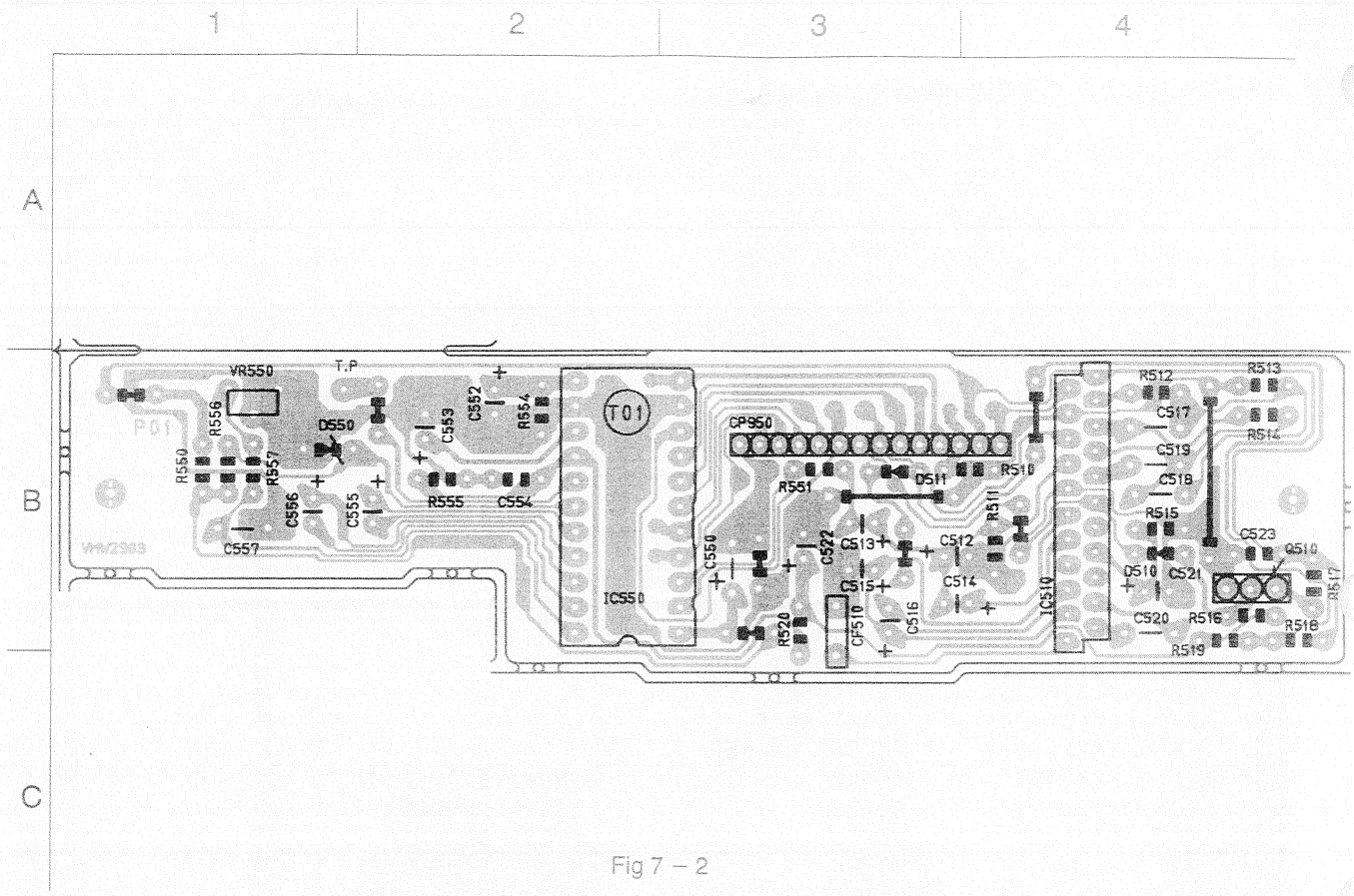


Fig 7 – 2

● SK/DK Board Parts List

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 512	QEK41HM-104	E CAPACITOR	.10MF 20% 50V	G,GE
C 513	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	G,GE
C 514	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	G,GE
C 515	QEK41HM-334	E CAPACITOR	.33MF 20% 50V	G,GE
C 516	QEK41CM-106	E CAPACITOR	10MF 20% 16V	G,GE
C 517	QFN41HJ-102	M CAPACITOR	1000PF 5% 50V	G,GE
C 518	QFN41HJ-102	M CAPACITOR	1000PF 5% 50V	G,GE
C 519	QFN41HJ-222	M CAPACITOR	2200PF 5% 50V	G,GE
C 520	QFV81HJ-683	TF.CAPACITOR	.068MF 5% 50V	G,GE
C 521	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	G,GE
C 522	QERF1AM-476ZN	E CAPACITOR	47MF 20% 10V	G,GE
C 523	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	G,GE
C 550	QETC1CM-107ZN	E CAPACITOR	100MF 20% 16V	G,GE
C 552	QEKF1AM-107ZN	E CAPACITOR	100MF 20% 10V	G,GE
C 553	QEK40JM-227	E CAPACITOR	220MF 20% 6.3V	G,GE
C 554	QCBB1HK-121Y	C CAPACITOR	120PF 10% 50V	G,GE
C 555	QEK41CM-476	E CAPACITOR	47MF 20% 16V	G,GE
C 556	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	G,GE
C 557	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	G,GE
CF510	CSB456F11	CELA LOCK		G,GE
CP950	TXLL-014-M	CONNECTOR		G,GE
D 510	1SS133	DIODE		G,GE
D 511	1SS133	DIODE		G,GE
D 550	HZS5.1EB1	ZENER DIODE		G,GE
IC510	LA2220	IC	SK	G,GE
IC550	LA2211	IC	DK	G,GE
Q 510	2SC1740S(R,S)	TRANSISTOR		G,GE
R 510	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	G,GE
R 511	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	G,GE
R 512	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	G,GE
R 513	QRD161J-161YT	CARBON RESISTOR	160 5% 1/6W	G,GE
R 514	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	G,GE
R 515	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	G,GE
R 516	GRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	G,GE
R 517	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	G,GE
R 518	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	G,GE
R 519	QRD161J-105	CARBON RESISTOR	1.0M 5% 1/6W	G,GE
R 520	QRD161J-394	C RESISTOR	390K 5% 1/6W	G,GE
R 550	QRD161J-470	CARBON RESISTOR	47 5% 1/6W	G,GE
R 551	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	G,GE
R 554	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	G,GE
R 555	QRD161J-684	CARBON RESISTOR	680K 5% 1/6W	G,GE
R 556	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	G,GE
R 557	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	G,GE
VR550	QVPC610-472	V.RESISTOR	125HZ ADJ	G,GE

8 Exploded View of Enclosure Component Parts

● Enclosure Component parts List

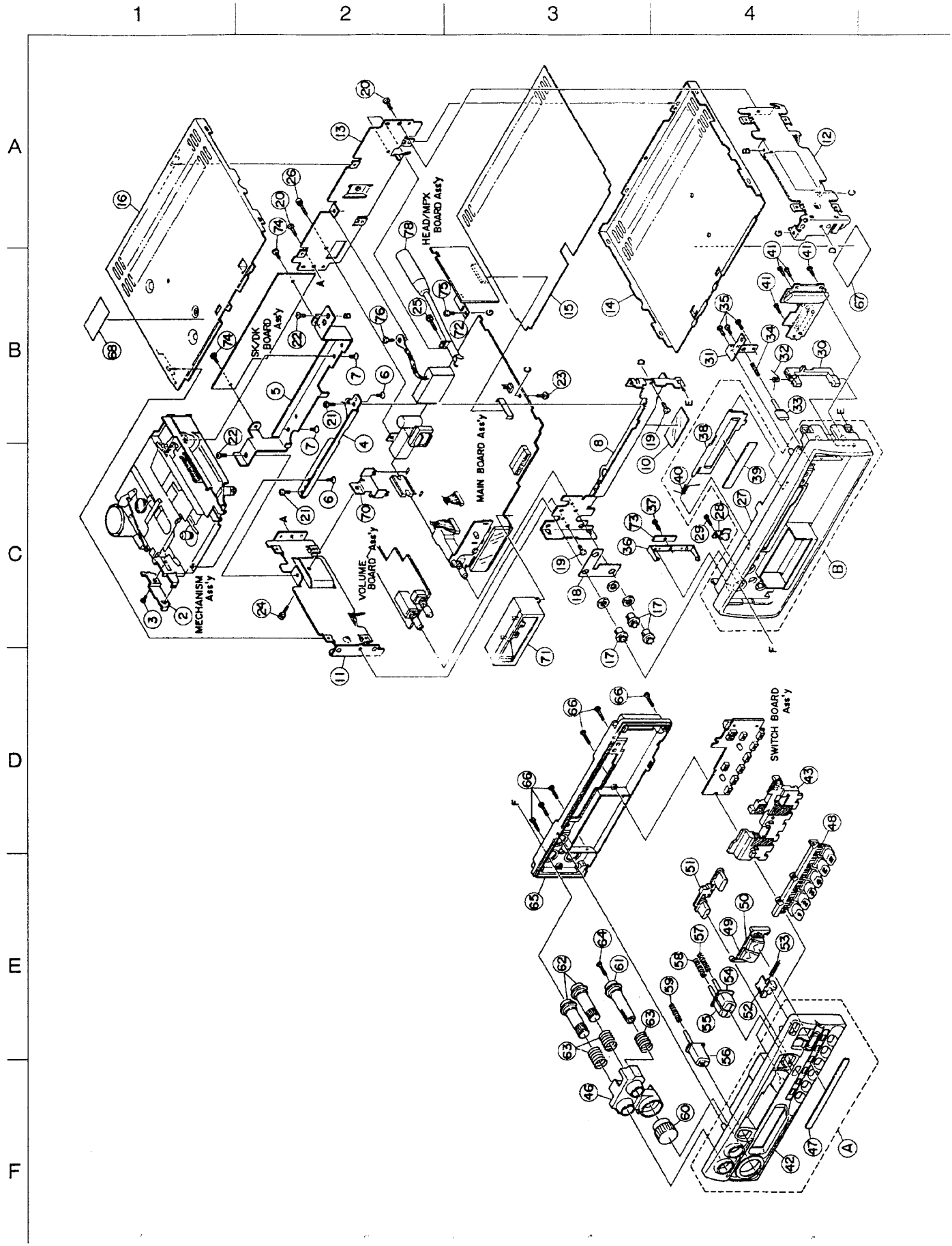
BLOCK NO. M1MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A	ZCKSRT30G-NPA	NOSE PIECE		1	G,GE	
		ZCKSRT30K-NPA	NOSE PIECE		1	B,E,GI	
	B	ZCKSRT30K-FB	FRONT PANEL		1		
	2	VKL7226-003	EJECT LEVER		1		
	3	SPSK2625Z	MINI SCREW	MECHA+MECHA BKT	1		
	4	VKM3645-001	MECHA BRACKET F		1		
	5	VKM3594-001	MECHA BRACKET R		1		
	6	SSSP3005Z	SCREW	MECHA BRACKET 1	2		
	7	SSSP3005Z	SCREW	MECHA BRACKET 2	2		
	8	VKM3642-001	FRONT BRACKET		1		
	9	VYSR103-048	SPACER		1		
	10	VYSS1R4-006	SPACER	FRONT BKT ｼﾀｶﾞﾜ	1		
	11	VKM3643-002	SIDE BRACKET L		1		
	12	VKM3644-001	SIDE BRACKET R		1		
	13	VKM3349-001	REAR BRACKET		1		
	14	VKM3352-004	BOTTOM COVER		1		
	15	VMA3167-004	INSULATOR		1		
	16	VKM3398-005	TOP COVER		1		
	17	VKS5439-001	SHAFT KNOB		3		
	18	VKL7274-002	VOLUME HOLDER		1		
	19	SDST2605Z	SCREW	FRONT+SIDE(L,R)	2		
	20	SDST2605Z	SCREW	SIDE L,R+REAR	2		
	21	SDST2605Z	SCREW	FRONT BRACKET	2		
	22	SSST2606Z	SCREW	M.BKT,SIDE(L,R)	2		
	23	VKZ4345-005	SPESIAL SCREW	MAIN BOARD+SIDE	1		
	24	LPSP3005Z	SCREW	IC BKT+S.BKT	1		
	25	LPSP3005Z	SCREW	REAR BKT ,ANT.	1		
	26	LPSP3005Z	SCREW	9PIN CONNECTOR	1		
	27	VJC2487-001	FRONT CHASSIS		1		
	28	VJK4399-002	LENS		1		
	29	SPSN1755N	MINI SCREW	F.CHASSIS+LENS	1		
	30	VKS5438-001	LOCK LEVER		1		
	31	VKL7267-001	LEVER BRACKET		1		
	32	VKW5093-001	TORSION SPRING	FOR LOCK LEVER	1		
	33	VXP5139-001	RLS KNOB		1		
	34	VKW3001-298	COMP.SPRING		1		
	35	SDSF2006Z	SCREW	FRONT CHASSIS	3		
	36	VKY4665-00C	LOCK SP ASS'Y		1		
	37	SDSF2008Z	SCREW	F.CHASSIS+L.SPR	1		
	38	VJC4145-002SS	CASSETTE LID		1		
	39	VJC4146-016	LID PLATE		1		
	40	VKW4947-002	DOOR SPRING		1		
	41	SPSN1755N	MINI SCREW	F.CHASSIS+C.PWB	4		
	42	VJG1210-002	FRONT PANEL		1	G,GE	
		VJG1210-001	FRONT PANEL		1	B,E,GI	
	43	ZCKSRT30K-LENS	LIGHT LENS ASSY		1		
	44	VYTT590-010	SEAL		2		
	45	VYTT625-001	SHEET		1		
	46	VJK2182-001	KNOB LENS		1		
	47	VJD3953-001	OPERATE PLATE		1		
	48	VXP2066-001	PRESET BUTTON		1		
	49	VXP3571-001	DOWN BUTTON		1		
	50	VXP3572-001	UP BUTTON		1		
	51	VXP3577-003	PUSH BUTTON		1		
	52	VXP3573-003	DETACH BUTTON(F		1		

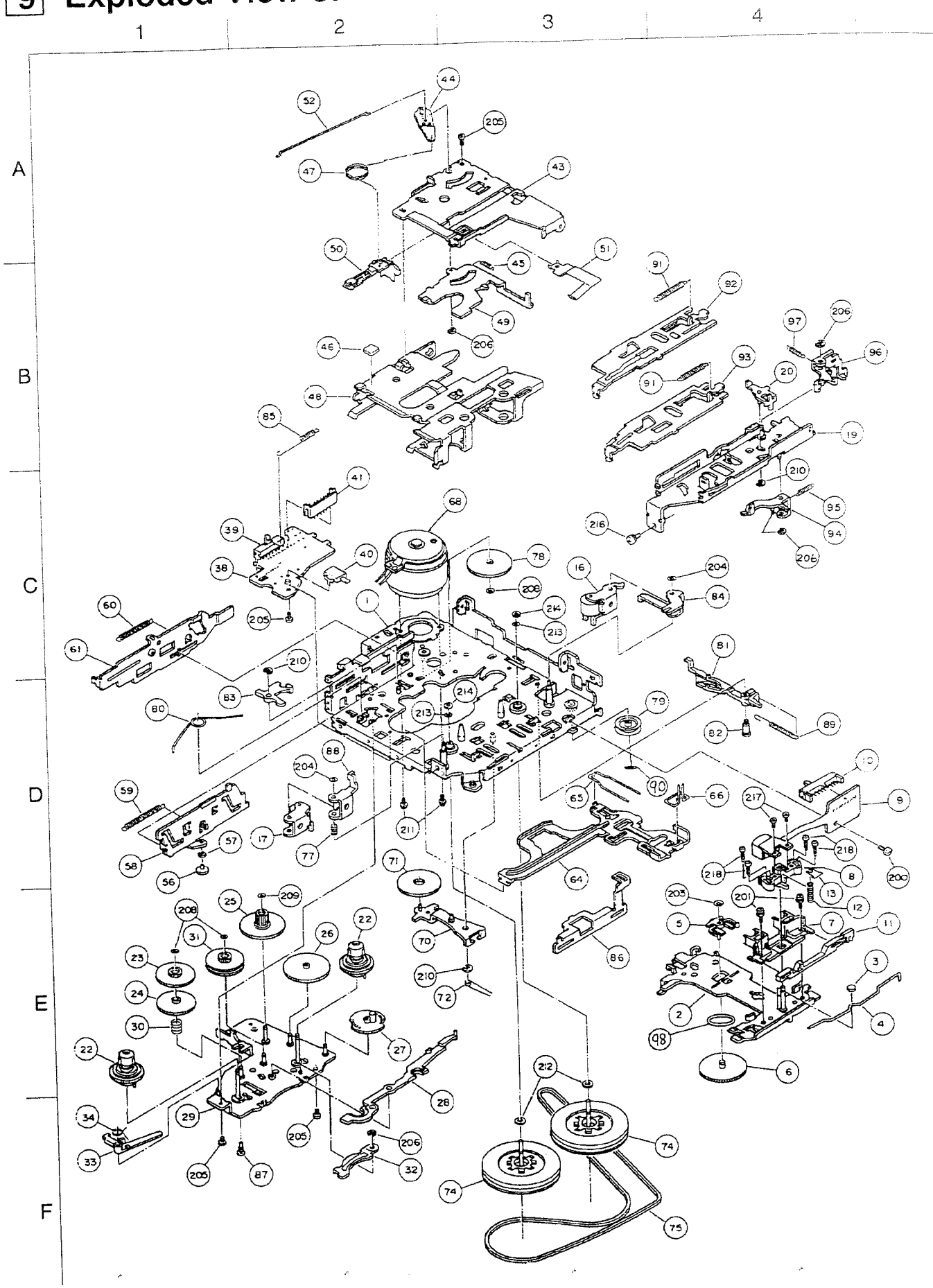
BLOCK NO. M1MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	53	VKW3001-302	COMP. SPRING	FOR DETACH BUTT	1		
	54	VXP3574-001	F.F.BUTTON		1		
	55	VXP3575-001	REW BUTTON		1		
	56	VXP3576-001	EJECT BUTTON		1		
	57	VKW3001-304	COMP. SPRING	FOR FF BUTTON	1		
	58	VKW3001-304	COMP. SPRING	FOR REW BUTTON	1		
	59	VKW3001-304	COMP. SPRING	FOR EJECT BUTTO	1		
	60	VXL4428-001	VOL KNOB		1		
	61	VKS5445-001	VOL KNOB(R)		1		
	62	VXL4429-001	TONE KNOB		2		
	63	VKW5071-001	COMP. SPRING	FOR TONE KNOB	3		
	64	SPSN1755N	MINI SCREW	VOL KNOB(F)+(R)	1		
	65	VJG1211-001	REAR COVER		1		
	66	SPSN1755N	MINI SCREW	FRONT+REAR	6		
	67	VYN3428-S002SA	NAME PLATE		1	G,GE	
		VYN3428-001SA	NAME PLATE		1	B,E,GI	
	68	VND4391-001	CAUTION LABEL		1		
	70	VKL6996-001	IC BRACKET		1		
	71	VKL2631-002	LAMP CASE		1		
	72	VKL7195-001	BOARD BRACKET		1		
	73	VKL7647-001	PLATE		1		
	74	SDST2605Z	SCREW	MECHA BKT+SK/DK	2	G,GE	
	75	SDST2605Z	SCREW	PWB+SIDE BKT(R)	1		
	76	SDST2605Z	SCREW	TUNER PACK+REAR	1		
	78	FSMP0001-001	ANT.SOCKET		1		

■ Exploded View of Enclosure component parts



9 Exploded View of Mechanism Component Parts



● Mechanism Component parts List

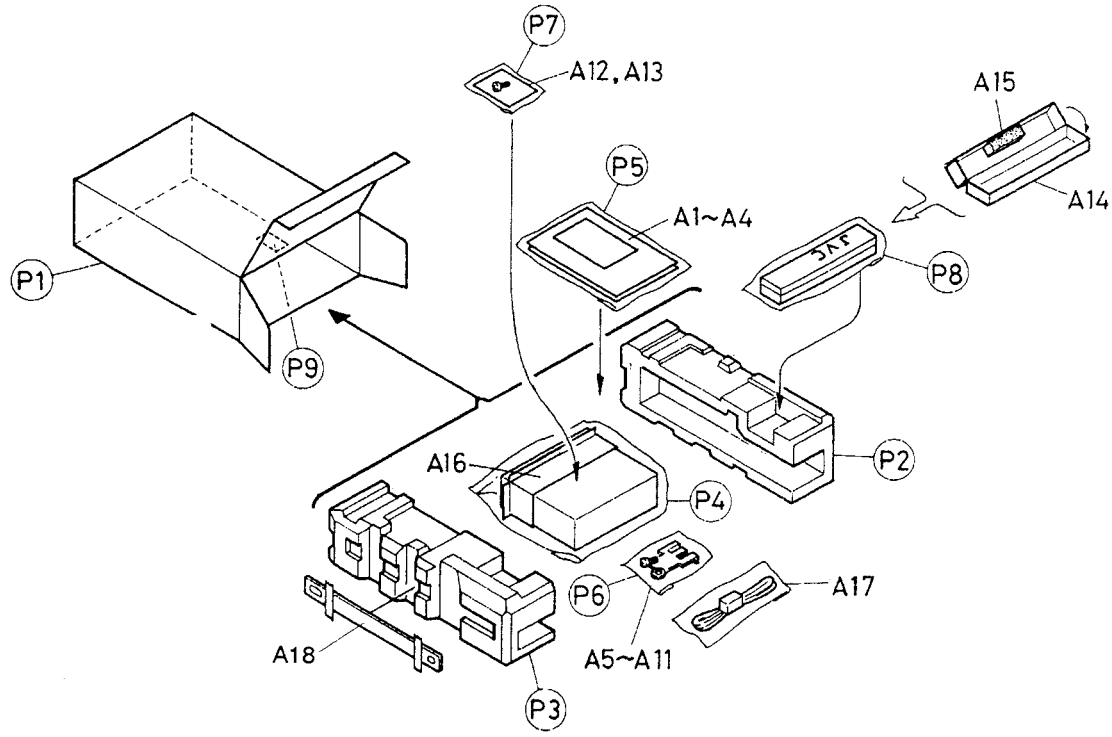
BLOCK NO. M2MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	194001519T	CHASSIS ASS'Y		1		
	2	194016501T	HEAD PANEL ASY		1		
	3	19400303T	SP ROLLER		1		
	4	19400304T	P.R.SPRING		1		
	5	19400305T	P.GEAR METAL		1		
	6	19400306T	P.GEAR		1		
	7	19400312T	TAPE GUIDE U		1		
	8	19400327T	HEAD HOLDER B		1		
	9	62011702T	HEAD	P-7542-BB0571	1		
	10	64020207T	SLIDE SWITCH	SSSSA3002A	1		
	11	19400328T	SHIFT PLATE B		1		
	12	19400315T	H.G SPRING		1		
	13	9F2635010T	FASTEN WASHER		1		
	16	194004301T	P.ROLL.ARM(F)AS		1		
	17	194004302T	P.ROLL.ARM(R)AS		1		
	19	194005503T	F.R.BKT(M)ASS'Y		1		
	20	194005504T	SEESAW P(M)ASY.		1		
	22	194006302T	T.REEL ASS'Y		2		
	23	19400612T	P.GEAR (R)		1		
	24	19400613T	F.GEAR (R)		1		
	25	19400615T	P.D.GEAR		1		
	26	19400616T	E.D.GEAR		1		
	27	19400617AT	REVERSE GEAR(M)		1		
	28	19400648T	E.D.PLATE B		1		
	29	194002501T	M.G.P.SEMI-ASY.		1		
	30	19400635T	TN SPRING		1		
	31	194006312T	P.CLUTCH ASS'Y		1		
	32	194014129T	LIFT UP PLATE		1		
	33	19401464T	ANTI-REV ARM		1		
	34	19401460T	TRI ARM SPRING		1		
	38	19400704T	SW SUBSTRATE		1		
	39	64020206T	SLIDE SWITCH	SSSSA2001A SM01	1		
	40	64020405T	PUSH SWITCH	SPVC11001A SM02	1		
	41	68140245T	CONNECTOR	53253-0720	1		
	43	19400801T	CASE LIFTER		1		
	44	184008503T	P.E PLATE ASS'Y		1		
	45	18400820T	SPRING		1		
	46	18400875T	CUSSHION RUBBER		1		
	47	19400813T	REVERSE SP.C		1		
	48	19401410T	CASSETTE CASE M		1		
	49	19400804T	C.D PLATE B		1		
	50	19400810T	PACK SLIDER		1		
	51	19400806T	PACK PRESS.SP.		1		
	52	18400823T	P.E SPRING		1		
	56	19400901T	H.P.ROLLER(A)		1		
	57	19400902T	H.P.ROLLER(B)		1		
	58	19400903T	C.H.PUSH PLAT.M		1		
	59	19400905T	C.H.SPRING		1		
	60	19400906T	PUSH LEVER SP.		1		
	61	19400907T	PUSH LEVER M		1		
	64	19401001T	MAIN PLATE		1		
	65	19401002T	M.S.SPRING		1		
	66	19401007T	H.S.SPRING		1		
	68	194011310T	MOTOR ASS'Y	MCI-5U3LCKA	1		

BLOCK NO. M2MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	70	194012504T	FR W.PLT.SEM.AS		1		
	71	19401703T	F.GEAR		1		
	72	19401704T	FR SPRING M		1		
	74	194013303T	F.L.CAPS.ASS'Y		2		
	75	19401417T	MAIN BELT		1		
	77	18400437T	P.P SPRING		1		
	78	194014123T	MAIN GEAR M		1		
	79	194014115T	MIDDLE PULLEY		1		
	80	19401403T	HEAD PANEL SP.M		1		
	81	19401405T	TRIGGER ARM(C)		1		
	82	19401406T	COLLAR SCREW(T)		1		
	83	19401408T	H.P.PUSH ARM		1		
	84	19401409T	SEESAW WRK.PLT.		1		
	85	19401412T	POWER SW.SPRING		1		
	86	194014127T	FR SLIDE PLT.M		1		
	87	19401415T	COLLAR SCREW(P)		1		
	88	19401416T	H.P.RETURN ARM		1		
	89	19401407T	T.A.SPING(C)		1		
	90	9W0225010T	P.WASHER CUT		1		
	91	19401589T	FR LEVER SPRING		2		
	92	19401590T			1		
	93	19401591T			1		
	94	19401503T	P.C.PLATE		1		
	95	19401504T	P.C.SPRING		1		
	96	19401505T	ROCK PLATE (M)		1		
	97	19401506T	ROCK PLATE SP.M		1		
	98	9W0540020T	HL WASHER	10 X 14 X 0.4	1		
	200	9P1220051T	S TAPPING SCREW	M2 X 5	1		
	201	9P0220051T	TAMS SCREW	M2 X 5	2		
	203	9W0640070T	HL WASHER CUT	2.1 X 4 X 0.4	1		
	204	9W0630060T	HL WASHER CUT	1.6 X 3.8 X 0.3	2		
	205	9C0420303T	S TAPPING SCREW	FOR CAMERA M2X3	4		
	206	9E0100152T	E RING	S1.5	4		
	208	9W0625030T	HL WASHER CUT	1.2 X 3 X 0.25	3		
	209	9W0630050T	HL WASHER CUT	1.6 X 3.4 X 0.3	1		
	210	9E0100202T	E RING	S2.0	3		
	211	9P0220031T	TAMS SCREW	M2 X 3	2		
	212	9W0513060T	HL WASHER	2.1 X 5 X 0.13	2		
	213	9W0520010T	HL WASHER CUT	1.85 X 3.2 X 0.	2		
	214	9W0650030T	HL WASHER CUT	1.5 X 3.2 X 0.5	2		
	216	9P0226041T	TAMS SCREW	M2.6 X 4	1		
	217	9F2720401T		FOR HEAD	2		
	218	9F2220071T	ADJUST SCREW		4		

10 Packing Illustration and Parts List



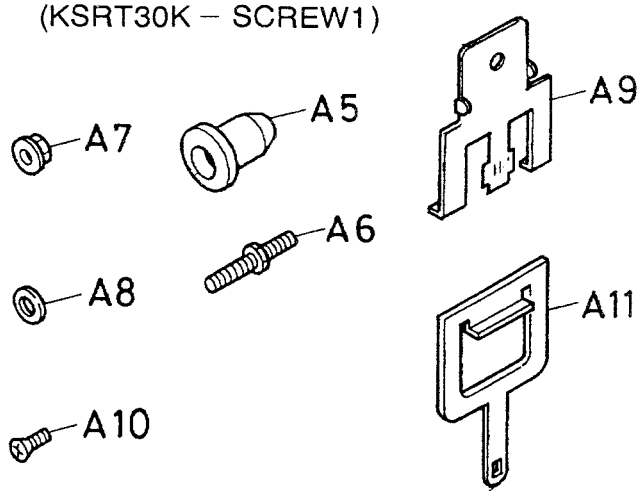
● Packing Parts list

BLOCK NO. M3MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A 1	VNN3428-211S	INSTRUCTIONS		1		
		VNN3428-451S	INSTRUCTIONS		1	E	
		VNN3428-471S	INSTRUCTIONS		1	GI	
		VNN3428-481S	INSTRUCTIONS		1	E	
	A 2	VNC2400-066	CAUTION SHEET		1		
	A 3	BT-20135	WARRANTY CARD		1	G	
		BT20066A	WARRANTY CARD		1	B	
		BT20060	WARRANTY CARD		1	B	
	A 4	VND3050-001	IDENTITY CARD		1		
	A 5	VKZ4027-002	PLUG NUT		1		
	A 6	VKH4871-001	MOUNT BOLT		1		
	A 7	VKZ4328-001	LOCK NUT	FOR M5	1		
	A 8	WNS5000Z	WASHER		1		
	A 9	VKY3126-002	SIDE SPRING		2		
	A 10	SSSP3006Z	SCREW	FOR SIDE SPRING	2		
	A 11	VKL7233-001	HOOK		2		
	A 12	SPSJ1725M	SCREW		1		
	A 13	VND4619-001	SHEET		1		
	A 14	VJB2014-001	HARD CASE		1		
	A 15	VYSH118-002	SPACER		1		
	A 16	VKL3732-015	MOUNTING SLEEVE		1		
	A 17	VMC0014-103	9P CORD ASS'Y		1		
	A 18	VKL5460-001	STAY		1		
	KIT 1	KSRT30K-SCREW1	SCREW PARTS KIT	P6,A5-A11	1		
	KIT 2	KSRT30K-SCREW2	SCREW PARTS KIT	P7,A12-A13	1		
	P 1	VPC3428-S001	CARTON		1		
	P 2	VPH1627-001	CUSHION(L)		1		
	P 3	VPH1628-001	CUSHION(R)		1		
	P 4	VPE3005-066	POLY BAG	FOR SET	1		
	P 5	QPGB017-02404	POLY BAG	INSTRUCYIONS	1		
	P 6	QPGA008-01205	POLY BAG	FOR SCREW KIK1	1		
	P 7	QPGA008-01205	POLY BAG	FOR SCREW KIT2	1		
	P 8	QPGA010-03003	POLY.BAG	FOR HARD CASE	1		
	P 9	VND3046-005	SERIAL TICKET		1	G	
		VND3046-004	SERIAL TICKET		1	B	
		VND3046-003	SERIAL TICKET		1	E	
		VND3046-001	SERIAL TICKET		1	GE,GI	

■ Screw Kit Illustration

(KSRT30K – SCREW1)



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